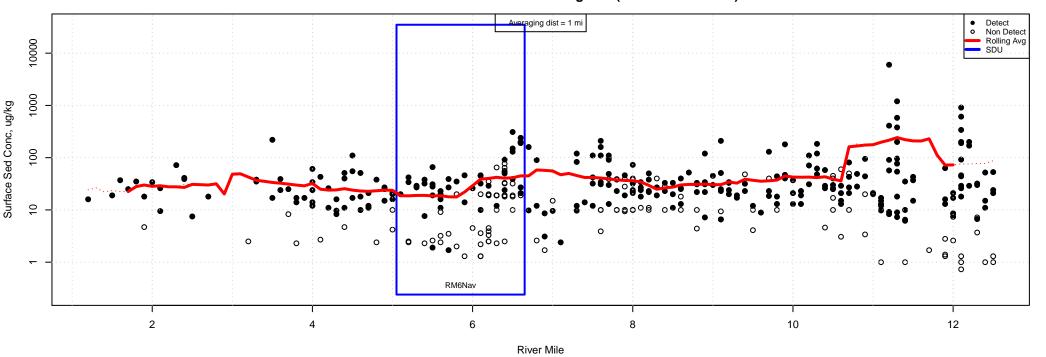
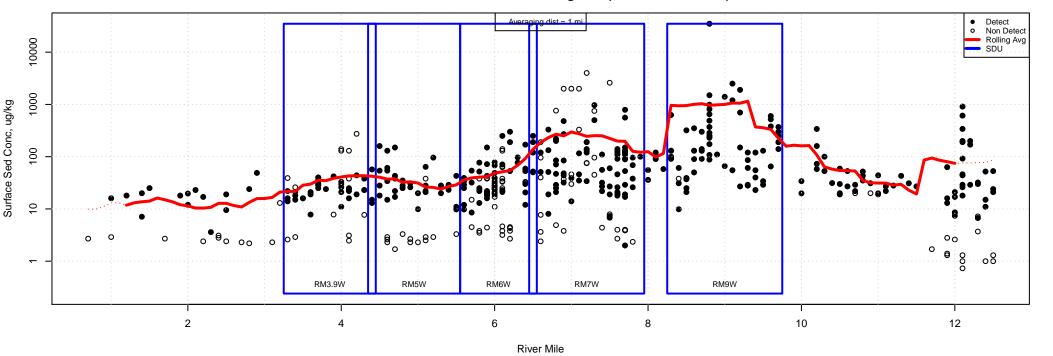


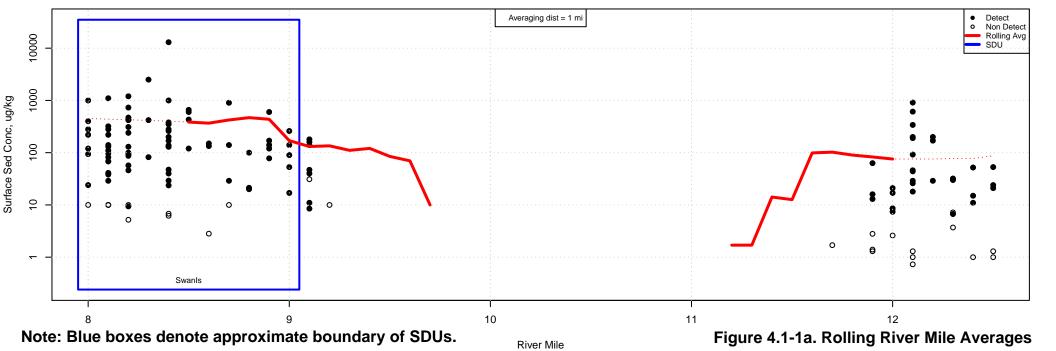
Nav Channel LWG RA Total PCB Aroclors (Calculated U = 1/2) Nav Channel LWG RA Total PCB Congener (Calculated U = 1/2)



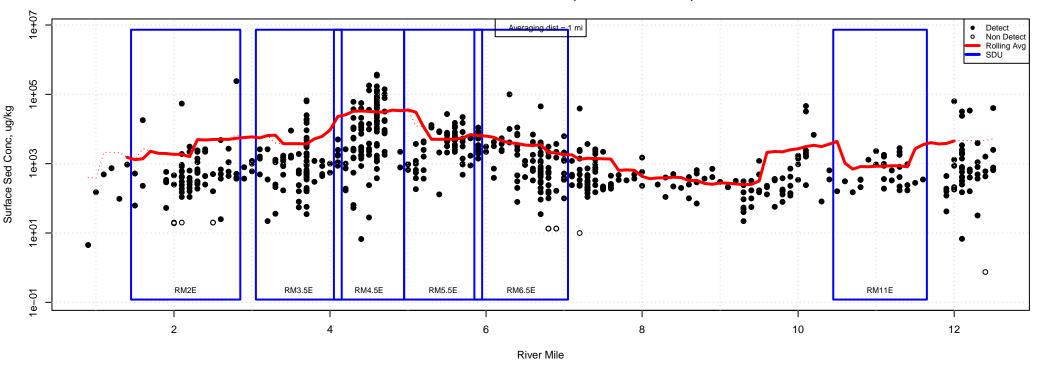
West Side LWG RA Total PCB Aroclors (Calculated U = 1/2) West Side LWG RA Total PCB Congener (Calculated U = 1/2)



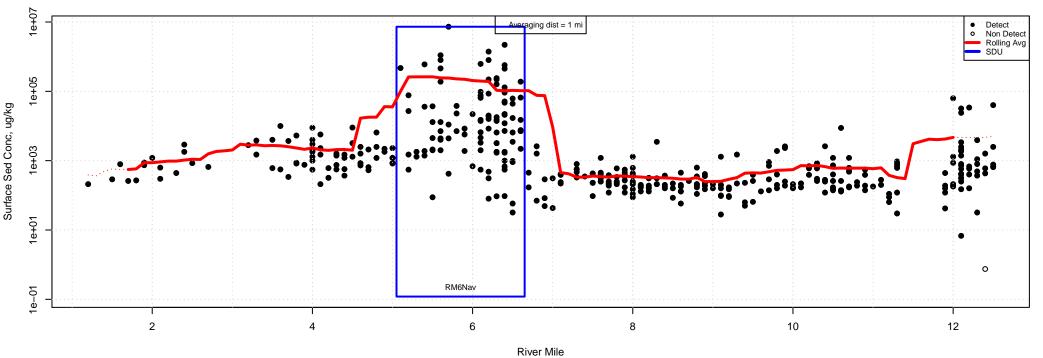
Swan Island LWG RA Total PCB Aroclors (Calculated U = 1/2) Swan Island LWG RA Total PCB Congener (Calculated U = 1/2)



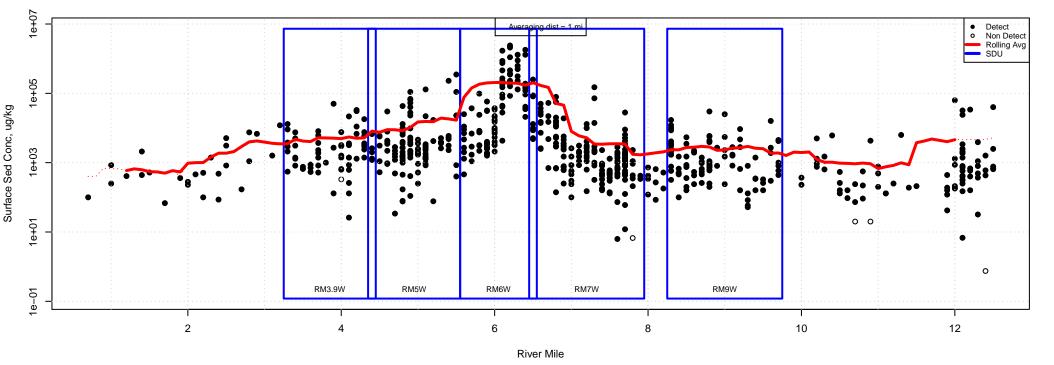




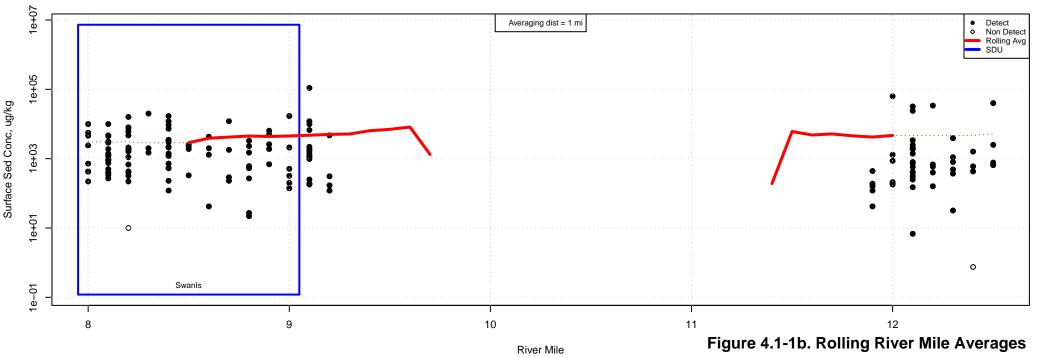
Nav Channel LWG RA Total PAH (Calculated U = 1/2)



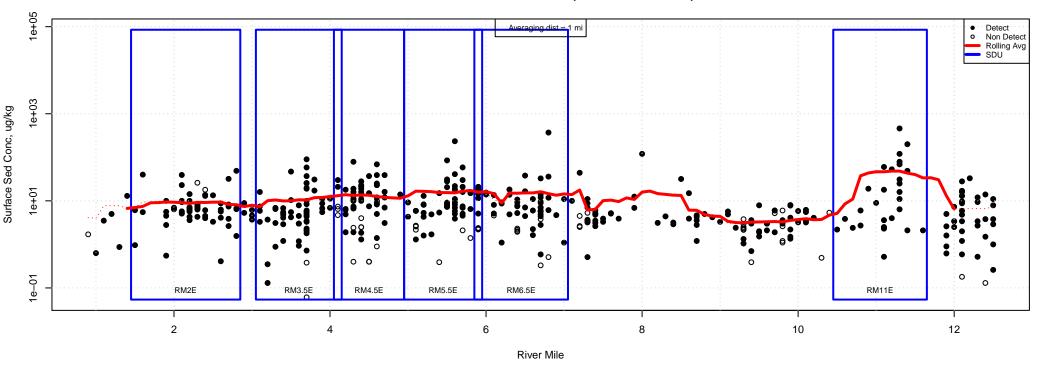
West Side LWG RA Total PAH (Calculated U = 1/2)



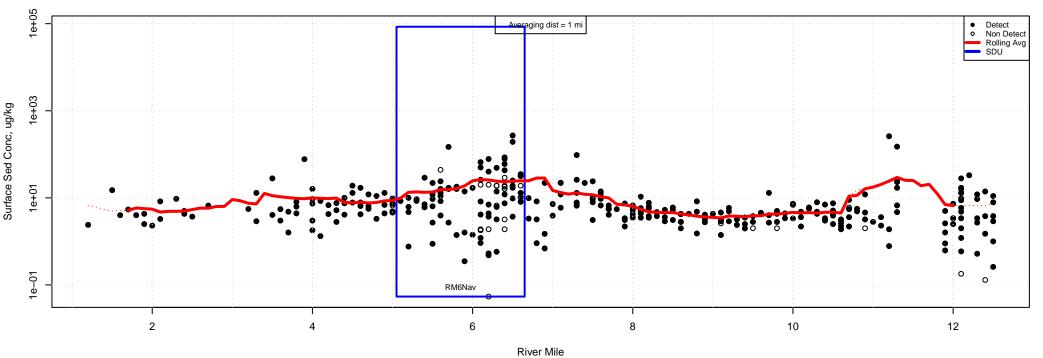
Swan Island LWG RA Total PAH (Calculated U = 1/2)



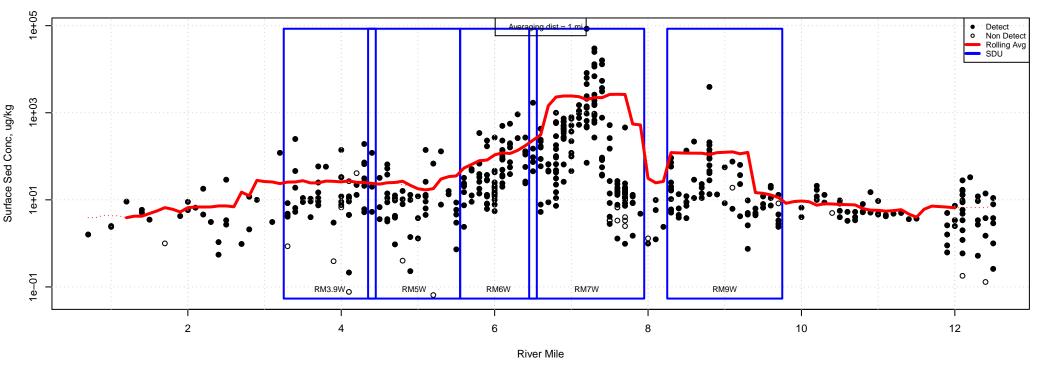
East Side LWG RA Total DDx (Calculated U = 1/2)



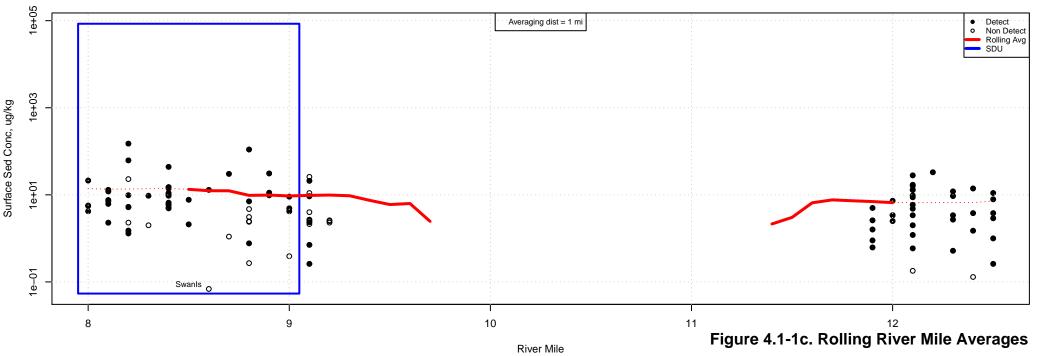
Nav Channel LWG RA Total DDx (Calculated U = 1/2)



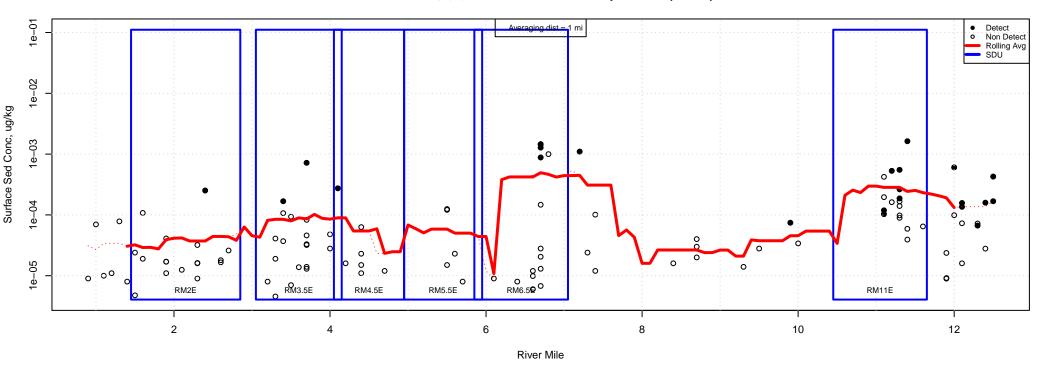
West Side LWG RA Total DDx (Calculated U = 1/2)



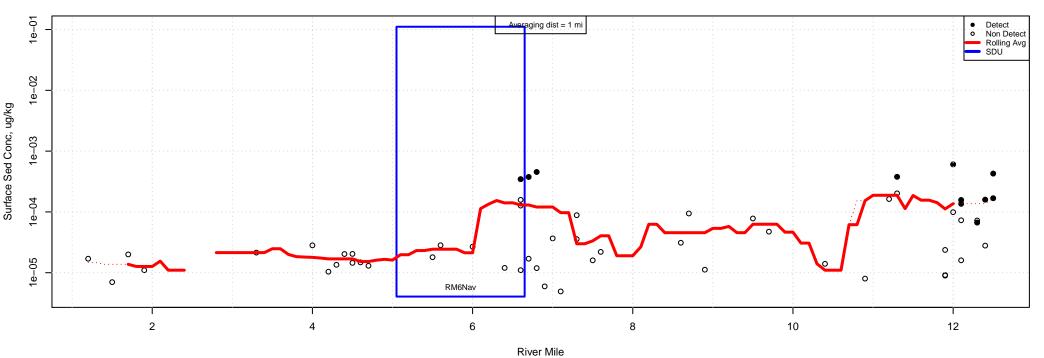
Swan Island LWG RA Total DDx (Calculated U = 1/2)



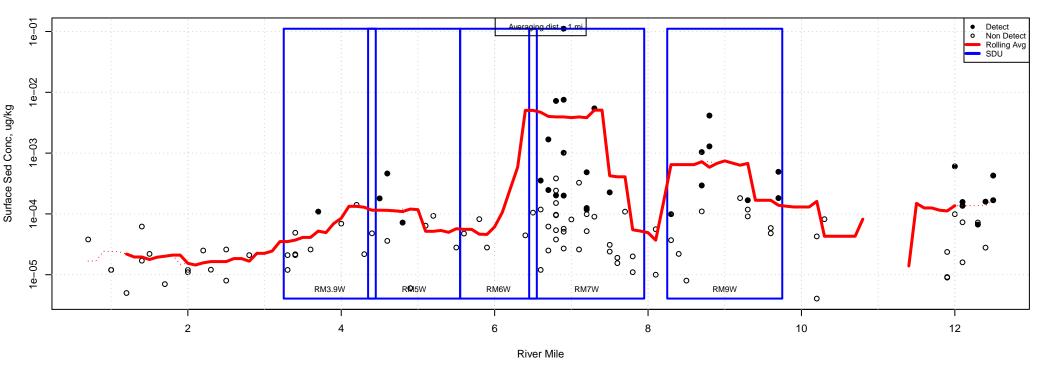
East Side 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)



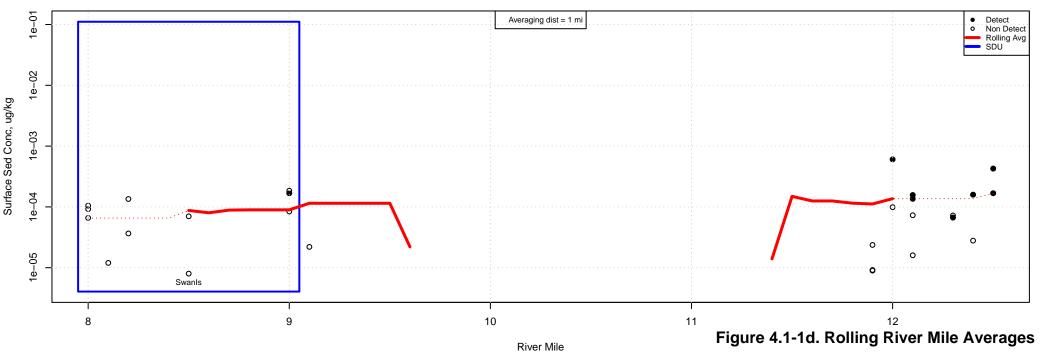
Nav Channel 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)



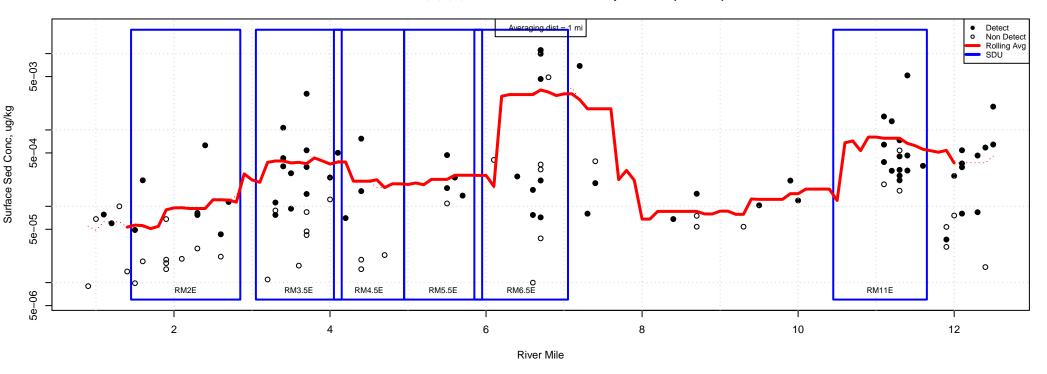
West Side 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)



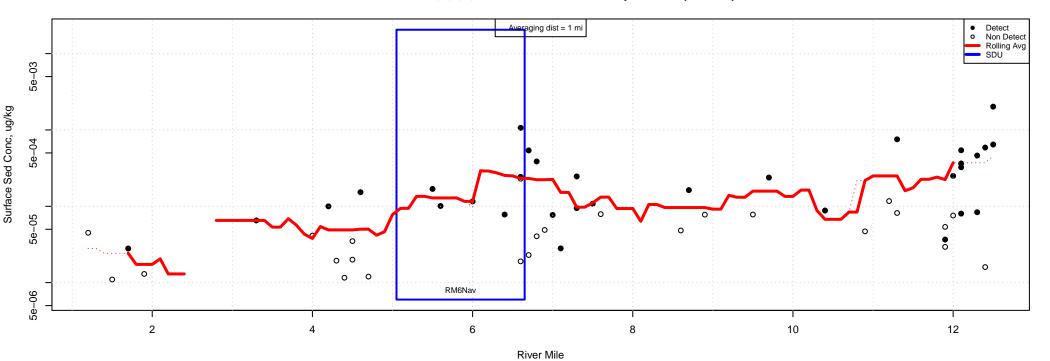
Swan Island 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)



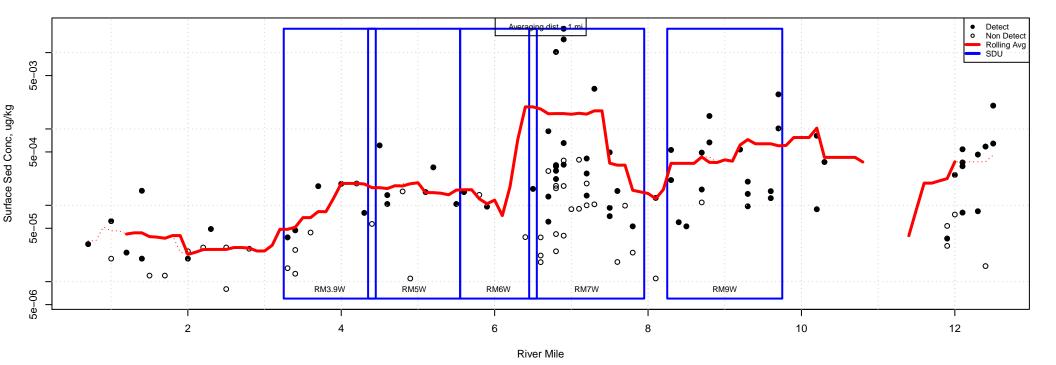
East Side 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)



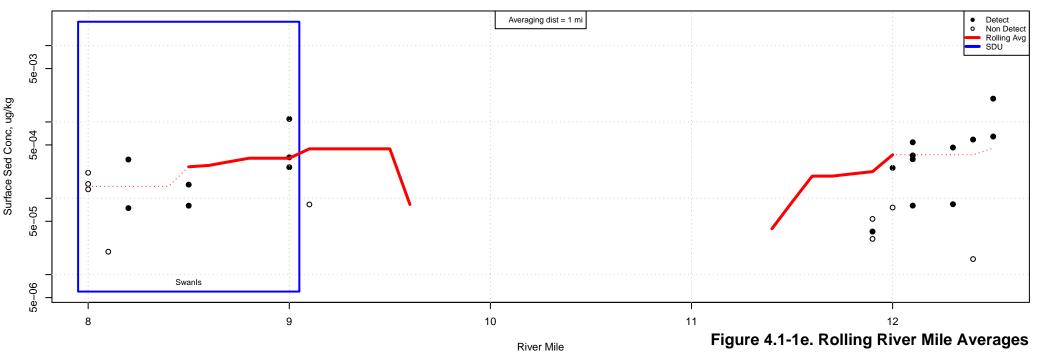
Nav Channel 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)



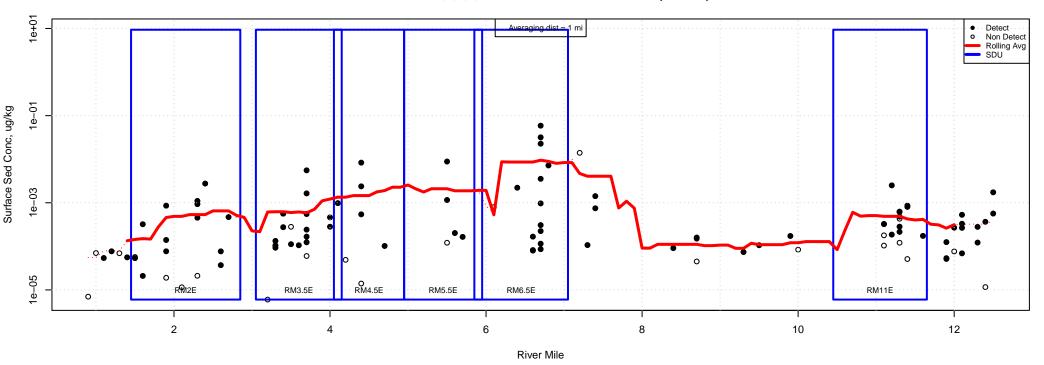
West Side 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)



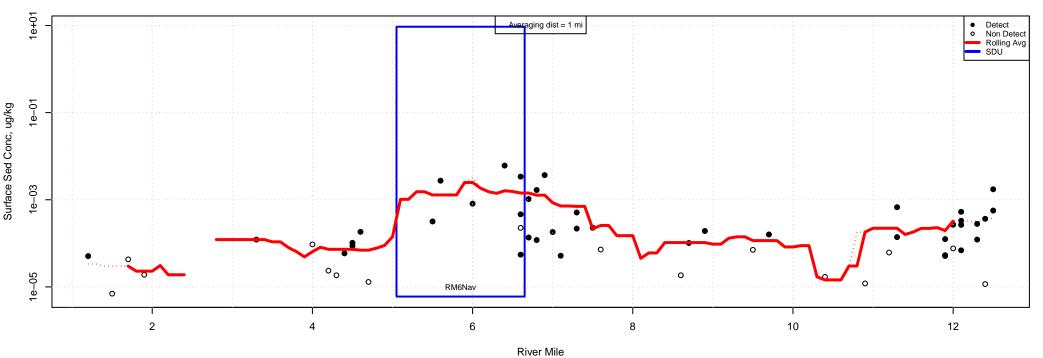
Swan Island 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)



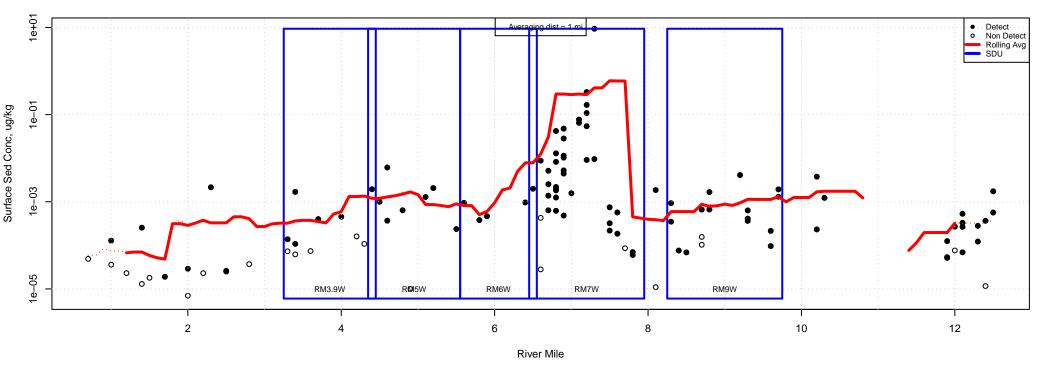
East Side 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)



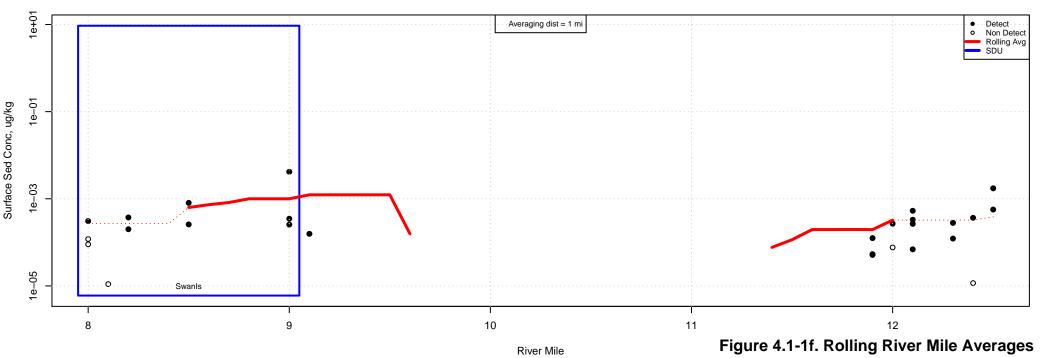
Nav Channel 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)

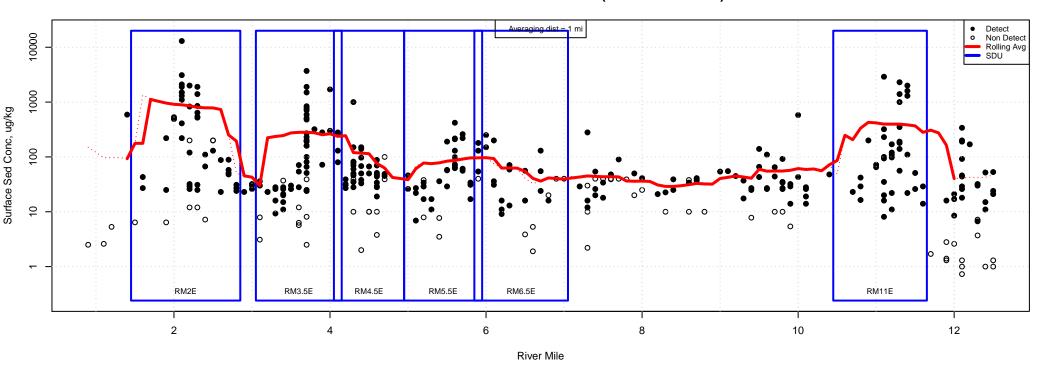


West Side 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)

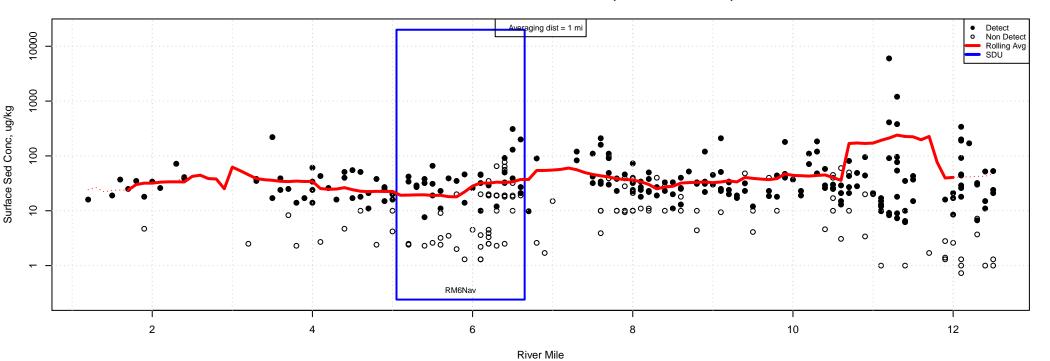


Swan Island 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)

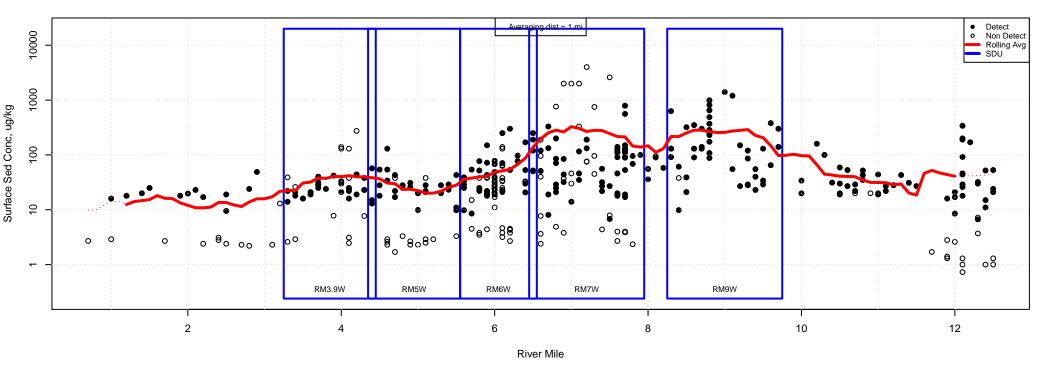




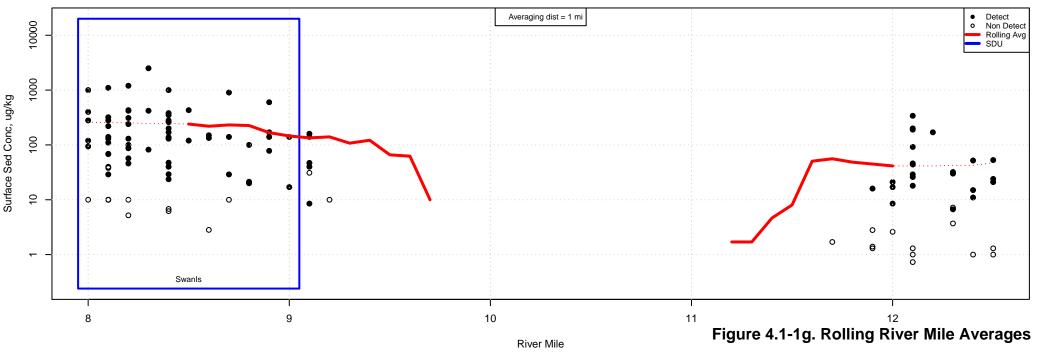
Nav Channel LWG RA Total PCB Aroclors (Calculated U = 1/2)



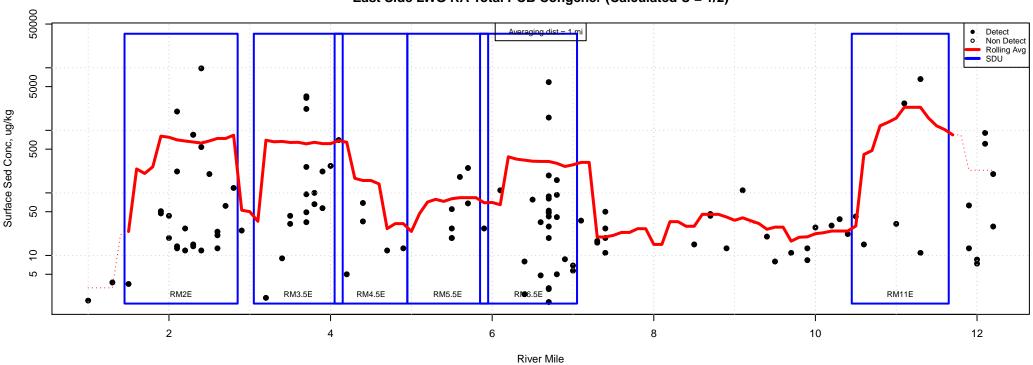
West Side LWG RA Total PCB Aroclors (Calculated U = 1/2)



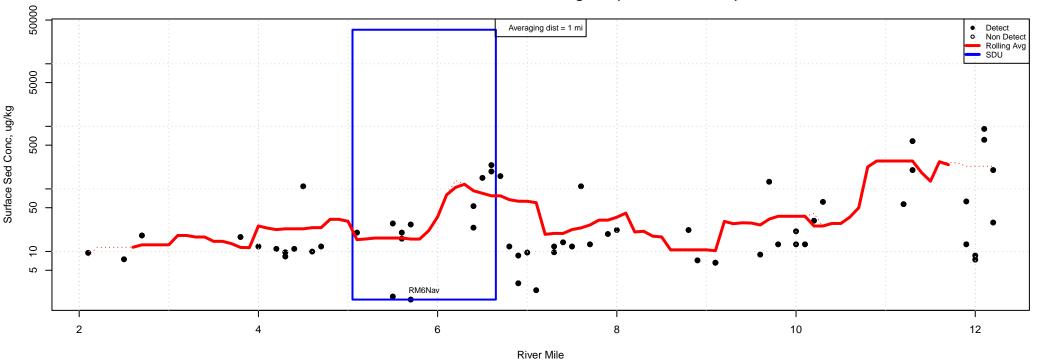
Swan Island LWG RA Total PCB Aroclors (Calculated U = 1/2)



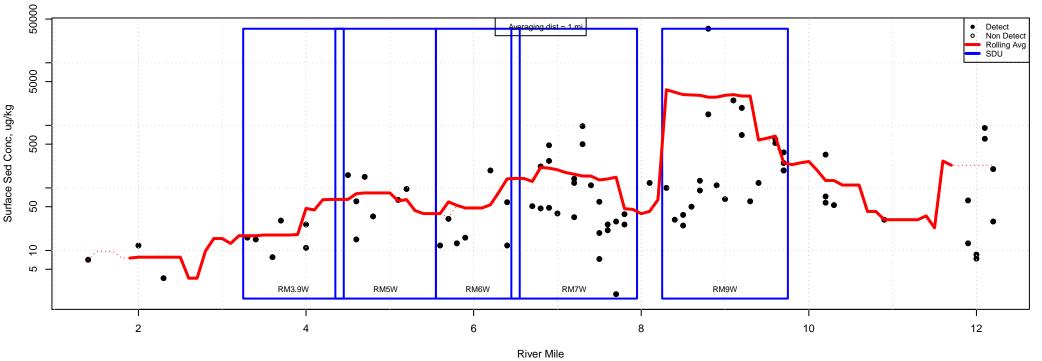




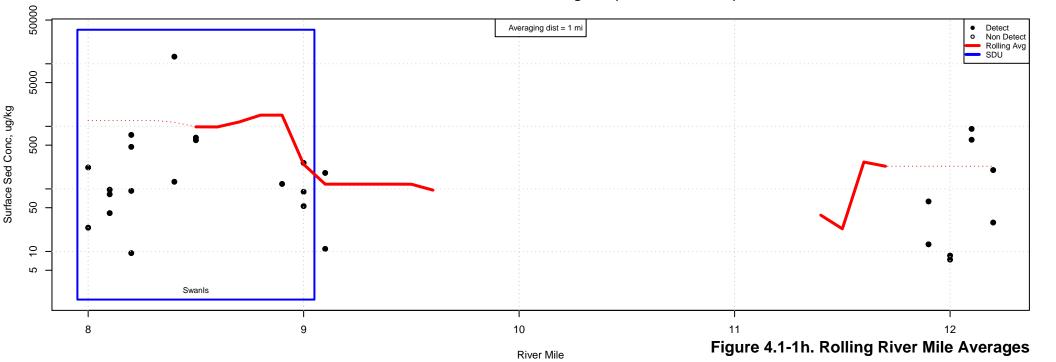
Nav Channel LWG RA Total PCB Congener (Calculated U = 1/2)

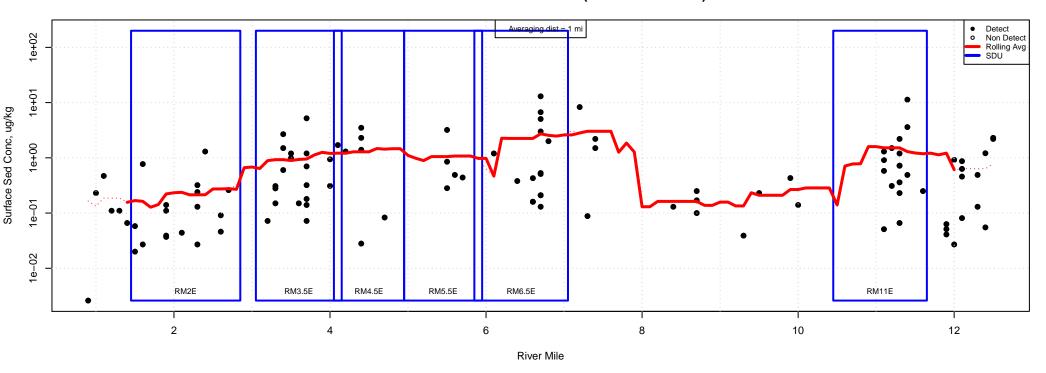


West Side LWG RA Total PCB Congener (Calculated U = 1/2)

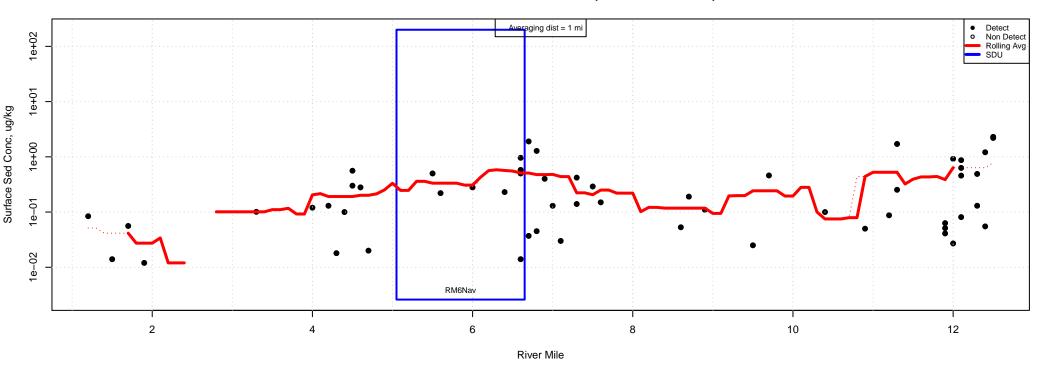


Swan Island LWG RA Total PCB Congener (Calculated U = 1/2)

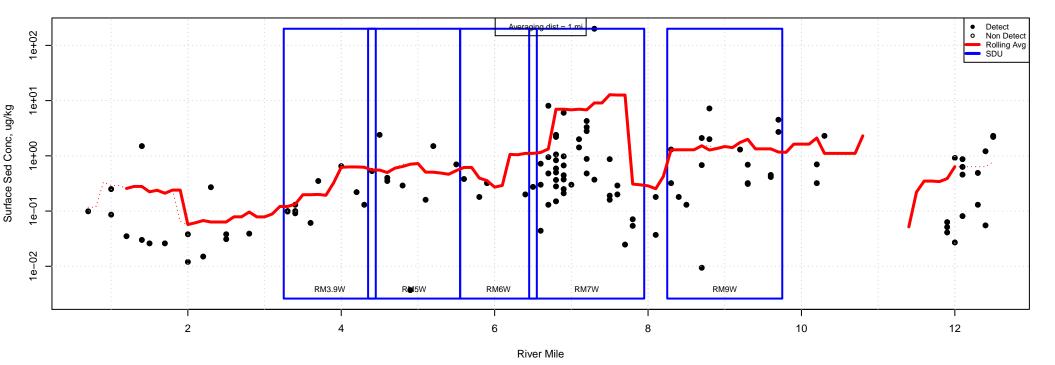




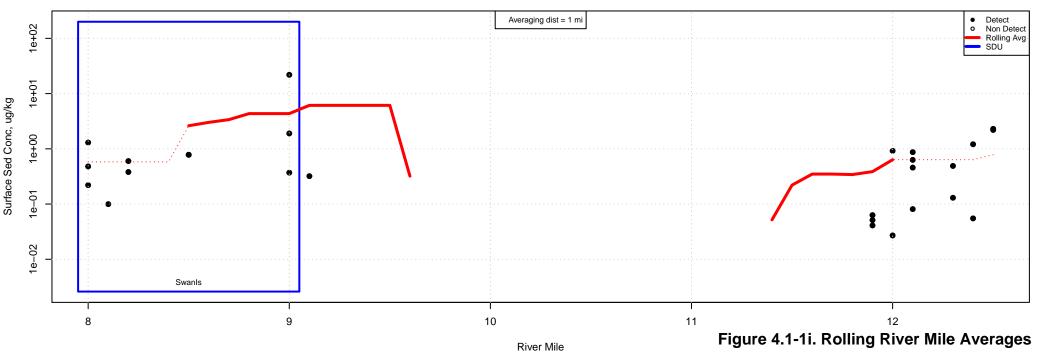
Nav Channel LWG RA Total PCDD/F (Calculated U = 1/2)



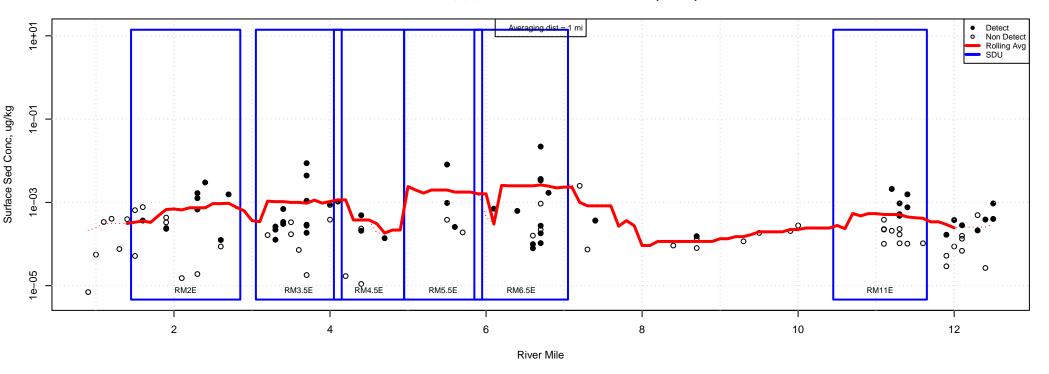
West Side LWG RA Total PCDD/F (Calculated U = 1/2)



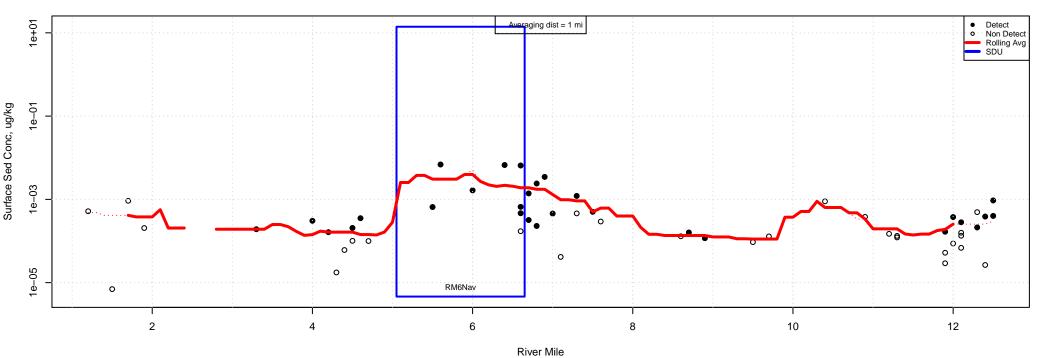
Swan Island LWG RA Total PCDD/F (Calculated U = 1/2)



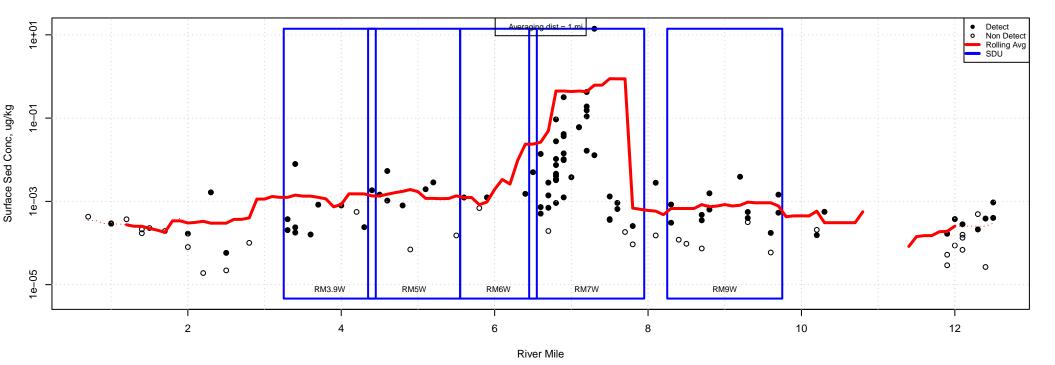
East Side 2,3,7,8-Tetrachlorodibenzofuran (TCDF)



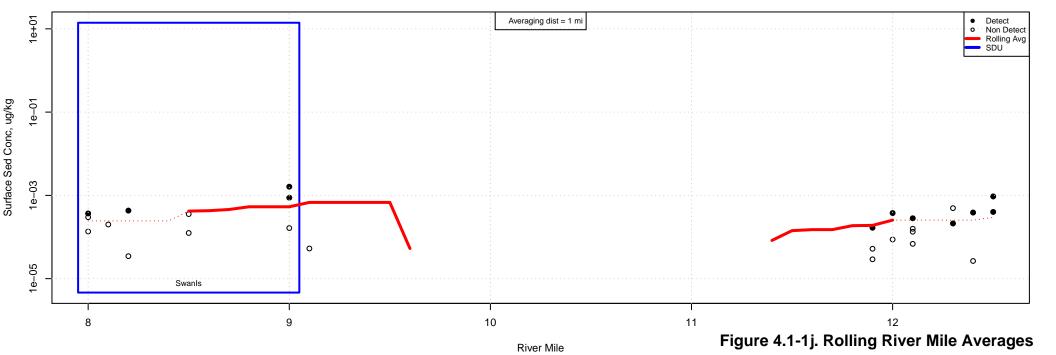
Nav Channel 2,3,7,8-Tetrachlorodibenzofuran (TCDF)



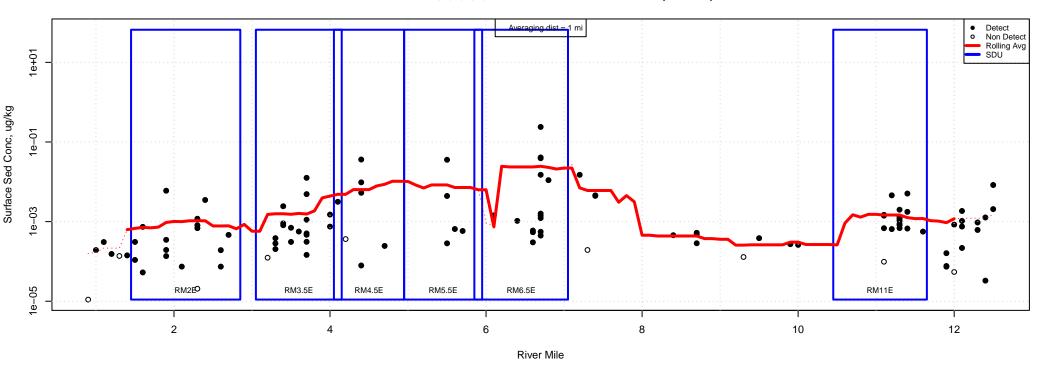
West Side 2,3,7,8-Tetrachlorodibenzofuran (TCDF)



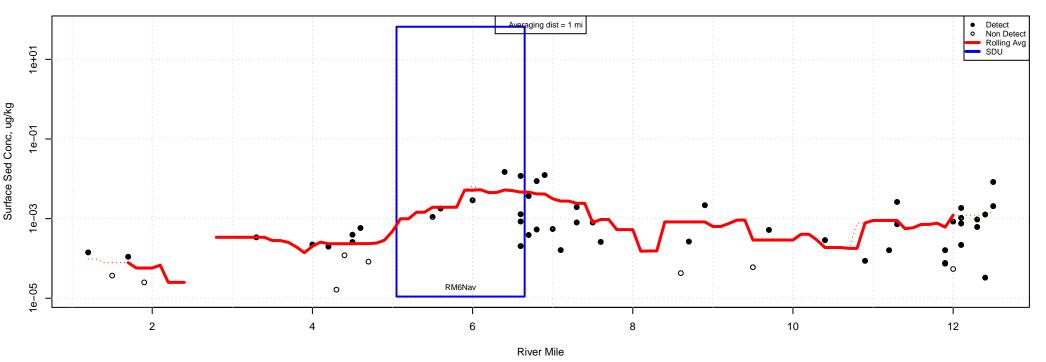
Swan Island 2,3,7,8-Tetrachlorodibenzofuran (TCDF)



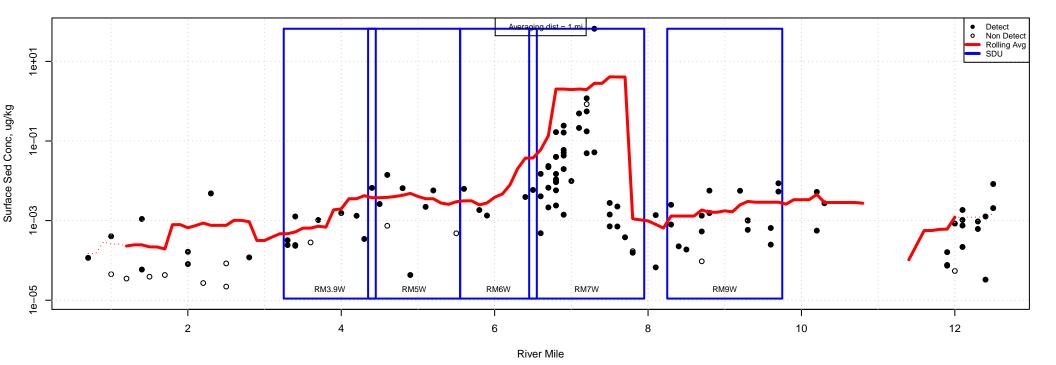
East Side 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)



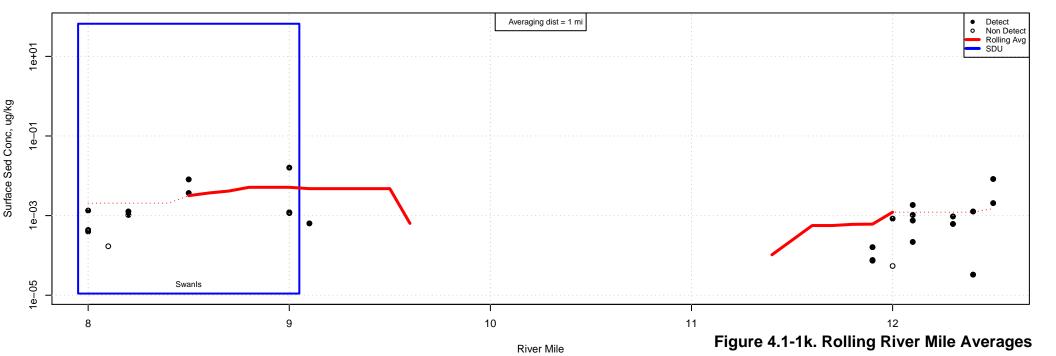
Nav Channel 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)

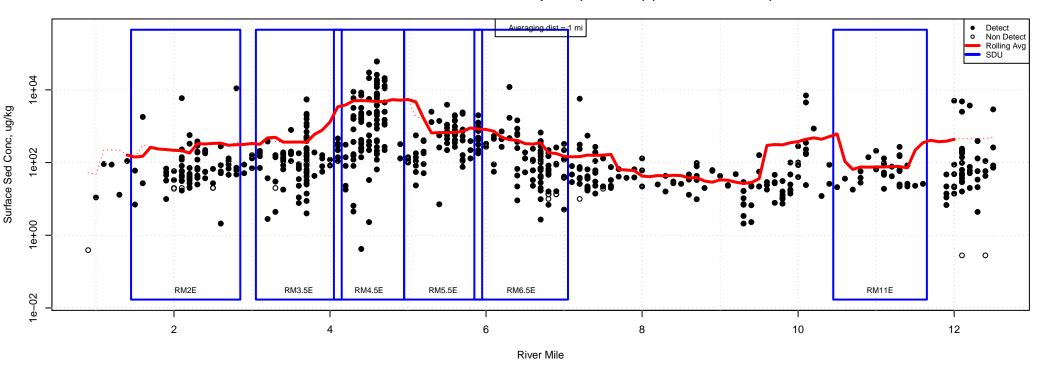


West Side 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)

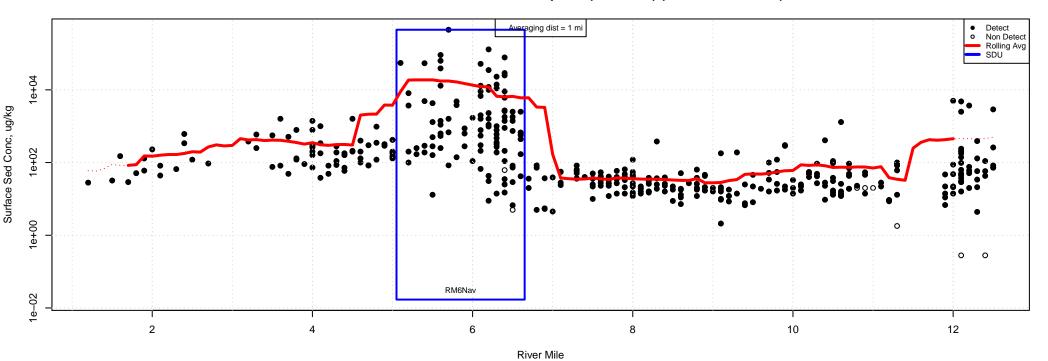


Swan Island 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)

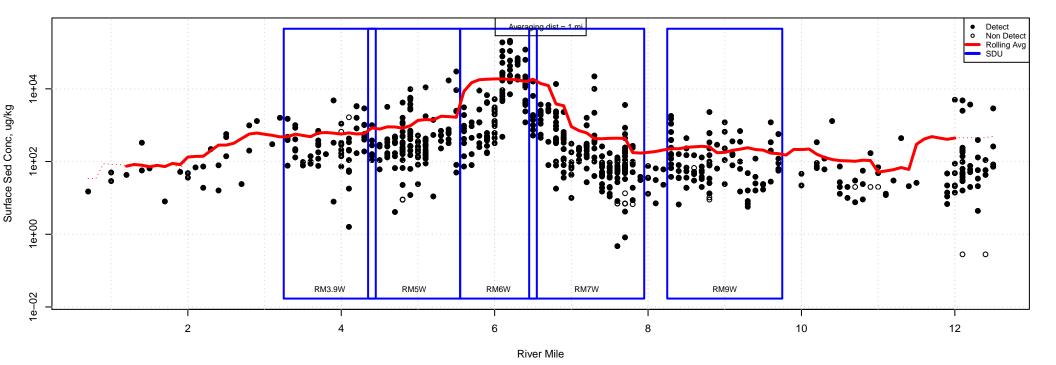




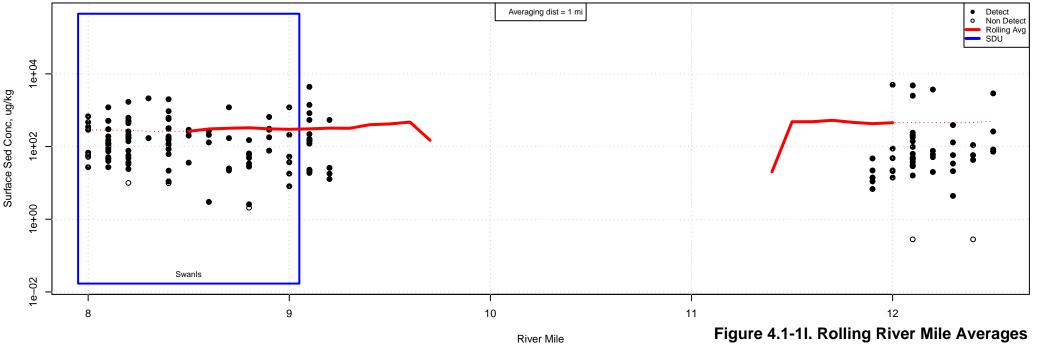
Nav Channel LWG RA Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)

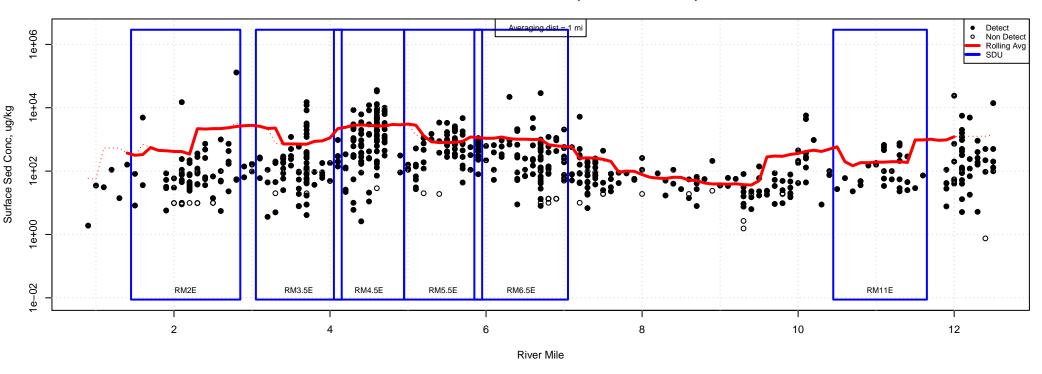


West Side LWG RA Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)

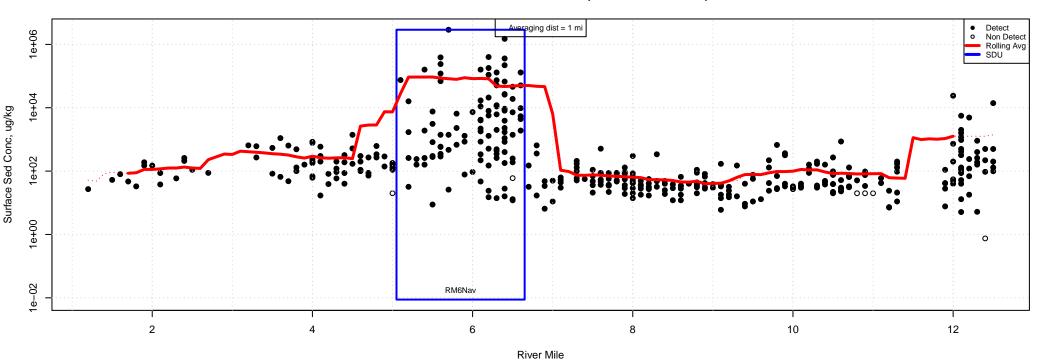


Swan Island LWG RA Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)

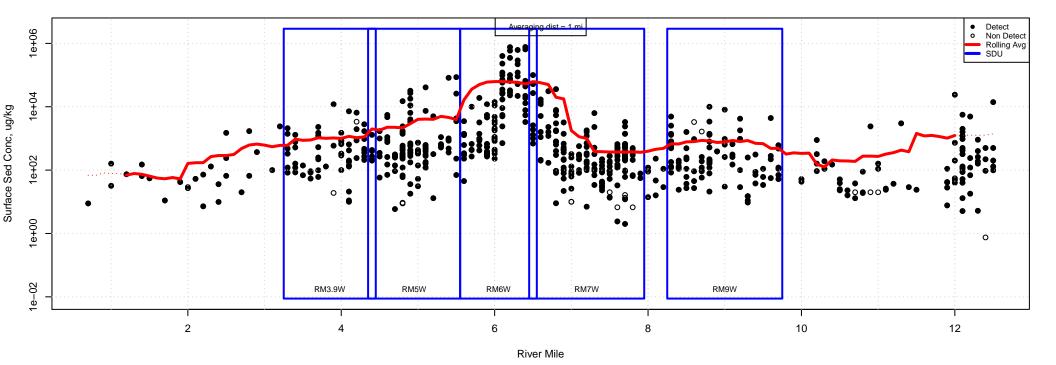




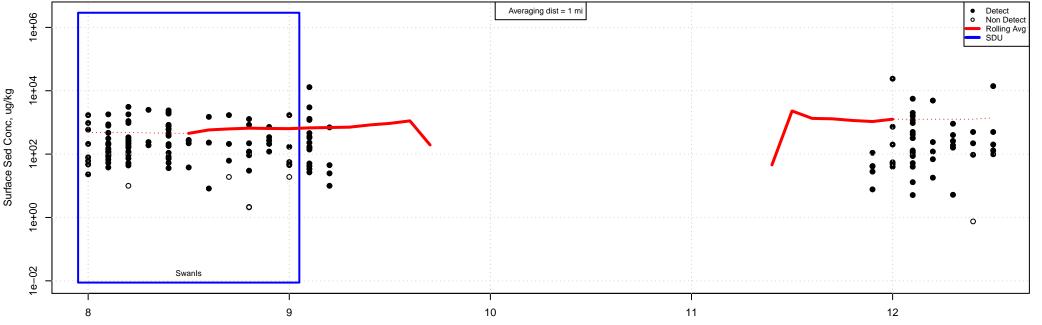
Nav Channel LWG RA Total LPAH (Calculated U = 1/2)



West Side LWG RA Total LPAH (Calculated U = 1/2)

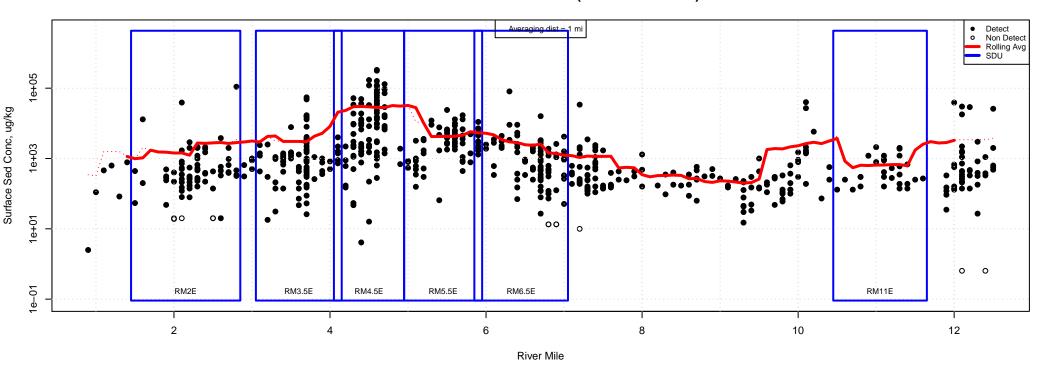


Swan Island LWG RA Total LPAH (Calculated U = 1/2)

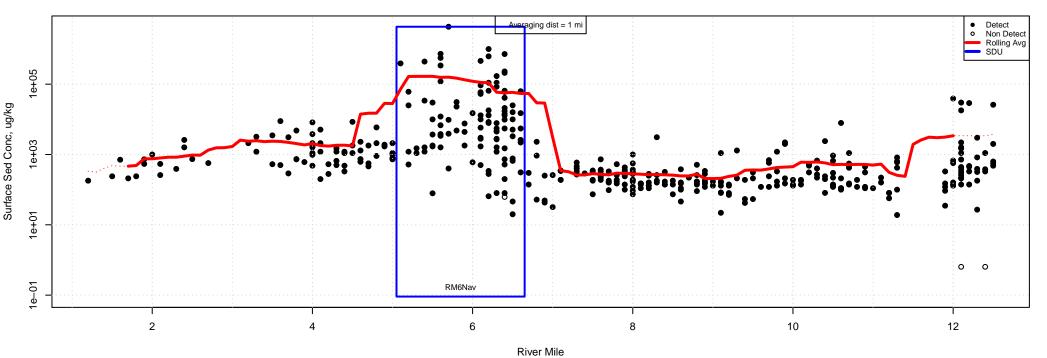


River Mile

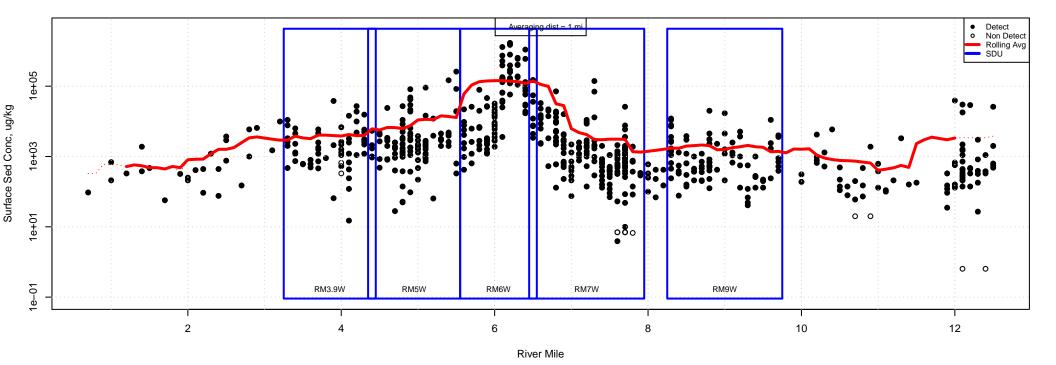
Figure 4.1-1m. Rolling River Mile Averages



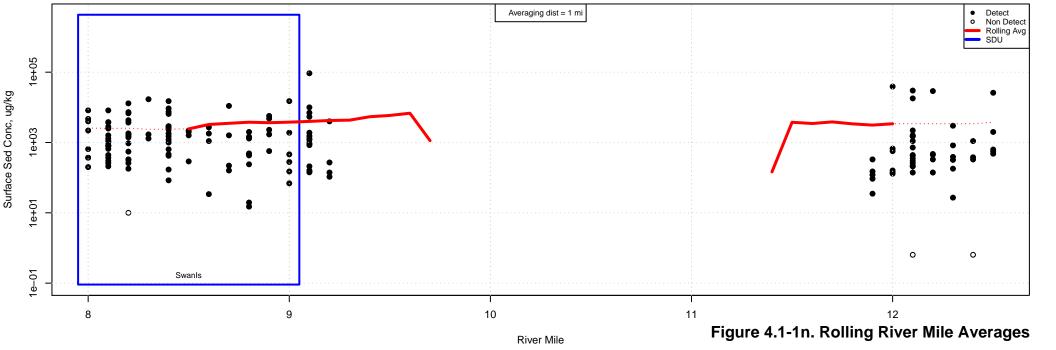
Nav Channel LWG RA Total HPAH (Calculated U = 1/2)



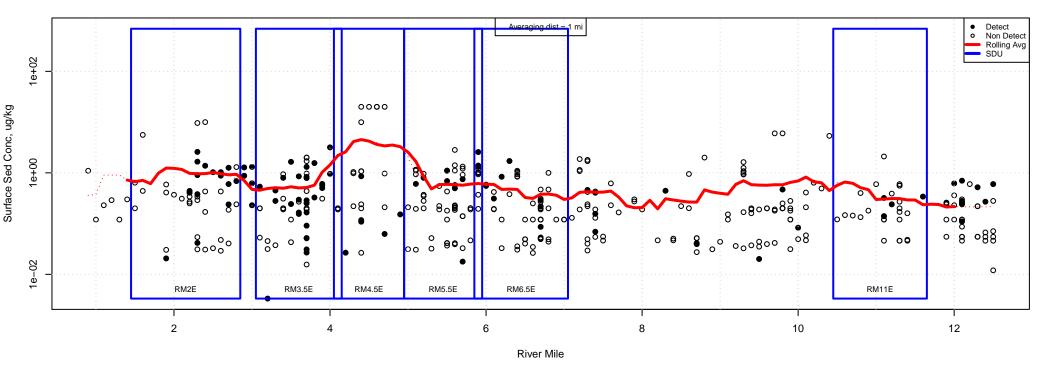
West Side LWG RA Total HPAH (Calculated U = 1/2)



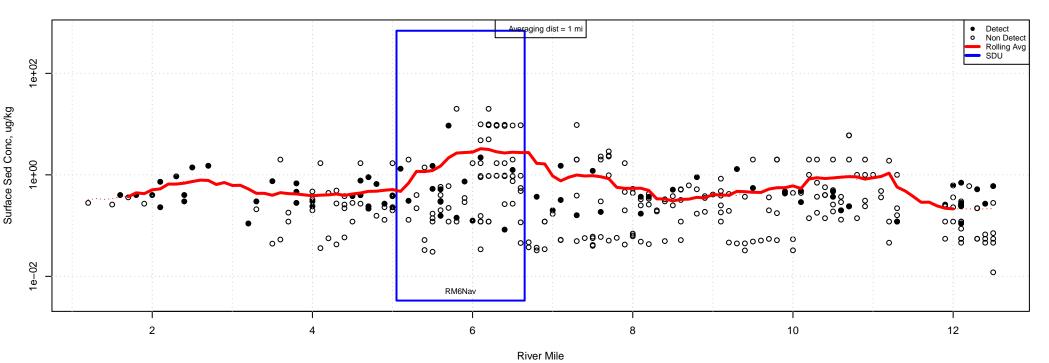
Swan Island LWG RA Total HPAH (Calculated U = 1/2)



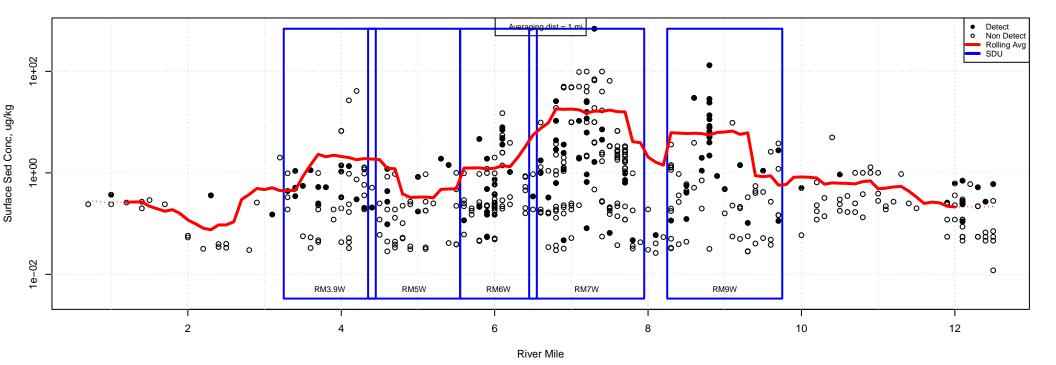
East Side Aldrin



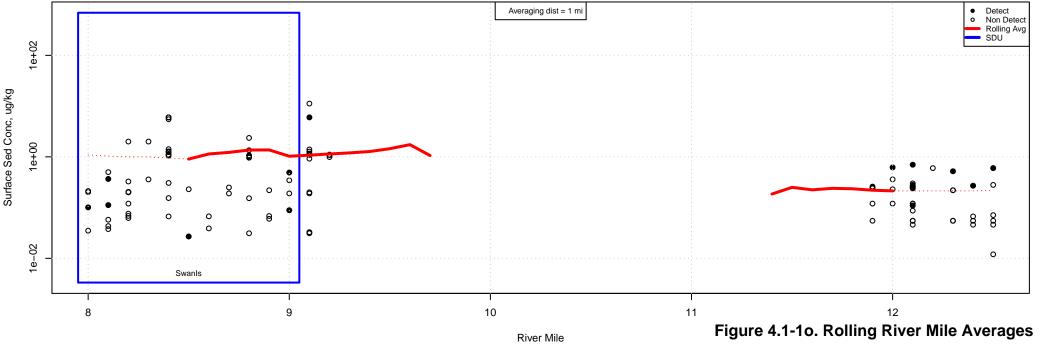
Nav Channel Aldrin



West Side Aldrin



Swan Island Aldrin



East Side Dieldrin Detect Non Detect Rolling Avg 1e+02 0000 1e+01 Surface Sed Conc, ug/kg 00 8 1e+00 88 00 8 0 , 00 1e-01 8 8 Ó 1e-02 RM2E RM4.5E RM5.5E RM6.5E RM11E 2 6 8 10 12 River Mile **Nav Channel Dieldrin** Detect Non Detect Rolling Avg SDU raging dist = 1 mi 1e+02 **့ ၁**၉၅၀ 1e+01 Surface Sed Conc, ug/kg 1e+00 1e-01 000000 0 0 ∘88∘ 8 8 00 0 008 00 RM6Nav 2 6 8 10 12 River Mile West Side Dieldrin Detect Non Detect Rolling Avg ું, 8∘ 000 000 1e+01 Surface Sed Conc, ug/kg 1e+00 00 0 0 0 00 000 1e-01 0 08 8 8 °00 1e-02 RM5W RM3.9W RM6W RM7W RM9W 2 6 10 12 River Mile **Swan Island Dieldrin** Detect Non Detect Rolling Avg Averaging dist = 1 mi 1e+02 1e+01 Surface Sed Conc, ug/kg 1e+00 8 1e-01 8 Ó

10

River Mile

11

12

Figure 4.1-1p. Rolling River Mile Averages

0

9

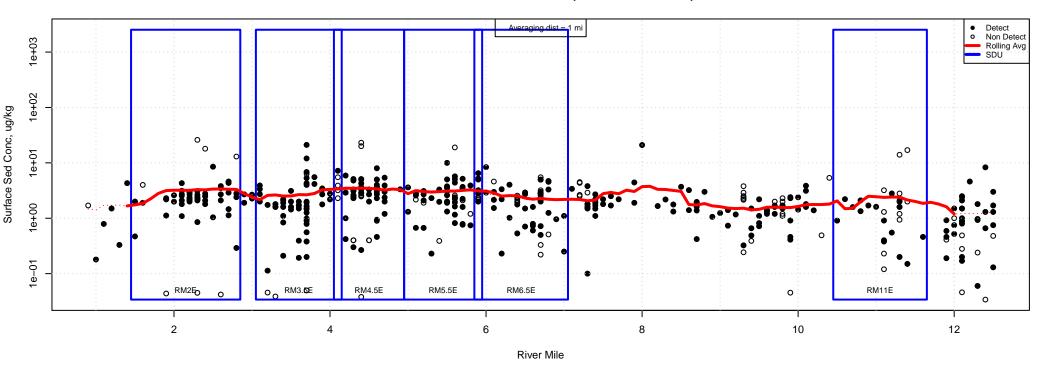
0

8

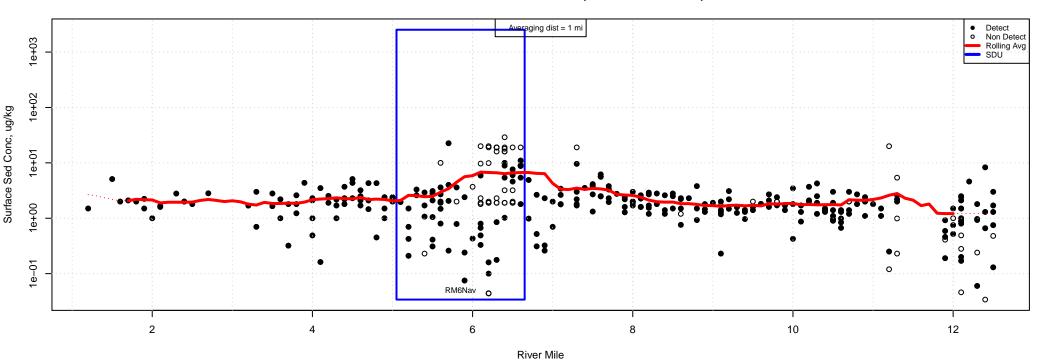
SwanIs

1e-02

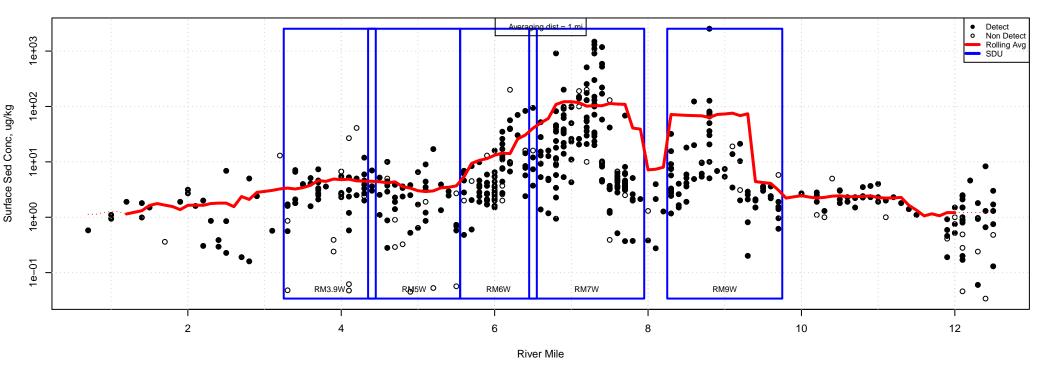
East Side LWG RA Sum DDE (Calculated U = 1/2)



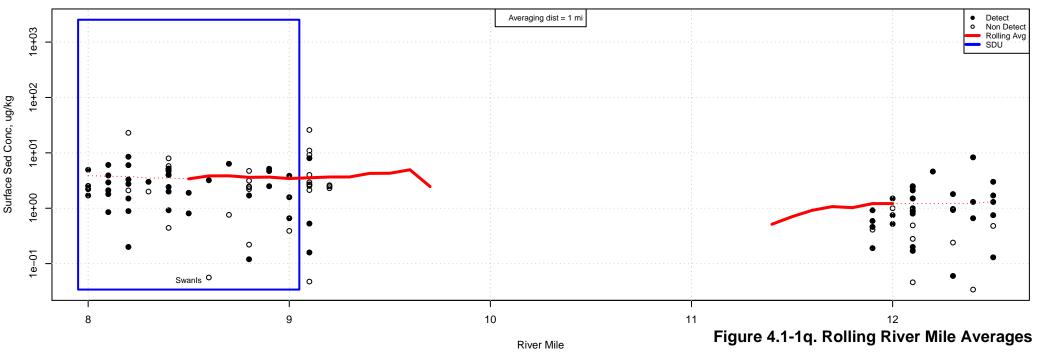
Nav Channel LWG RA Sum DDE (Calculated U = 1/2)



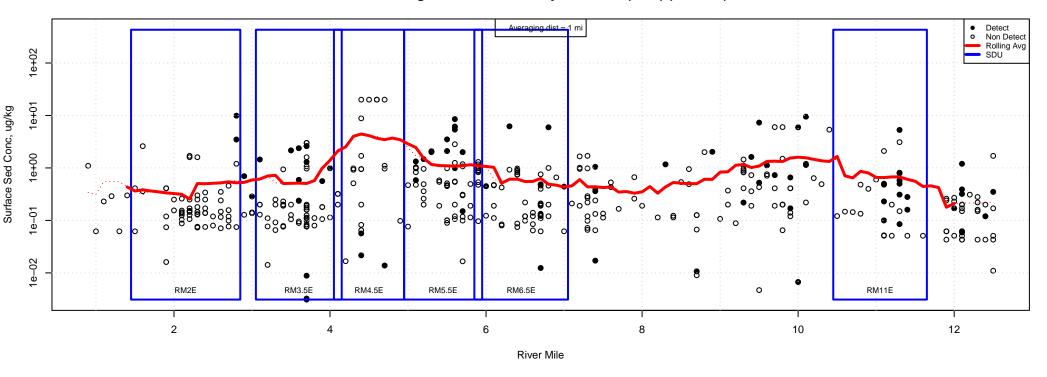
West Side LWG RA Sum DDE (Calculated U = 1/2)



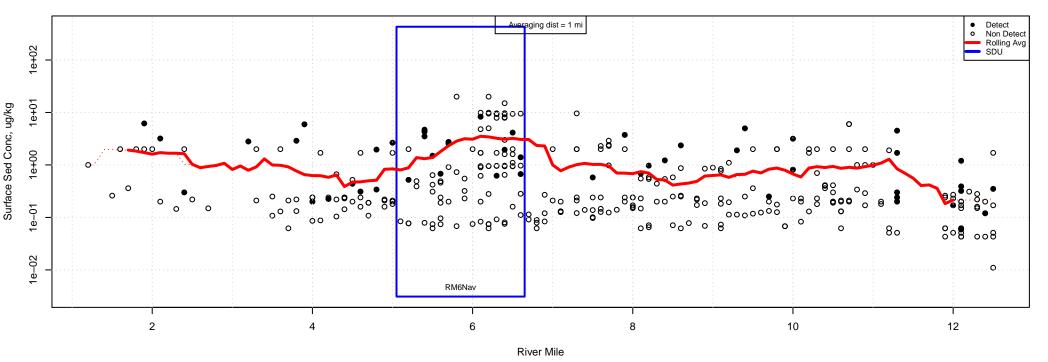
Swan Island LWG RA Sum DDE (Calculated U = 1/2)



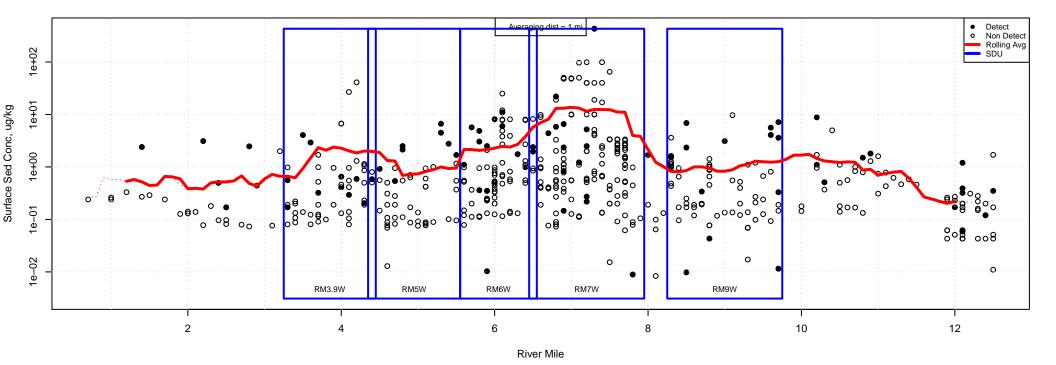
East Side gamma-Hexachlorocyclohexane (BHC) (Lindane)



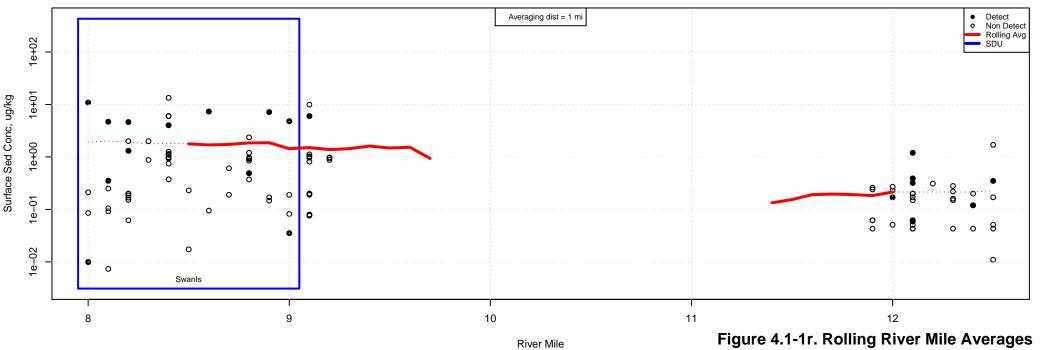
Nav Channel gamma-Hexachlorocyclohexane (BHC) (Lindane)



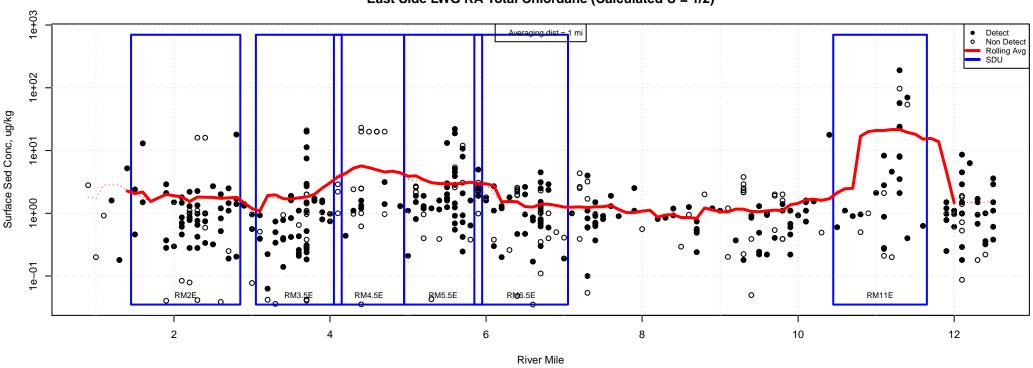
West Side gamma-Hexachlorocyclohexane (BHC) (Lindane)



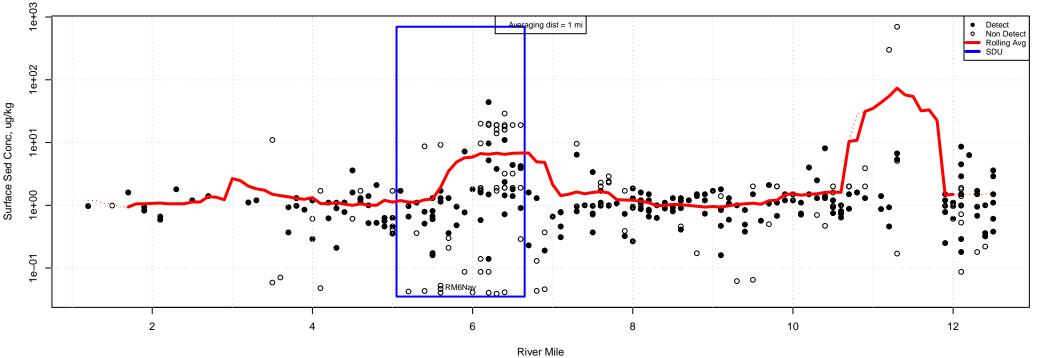
Swan Island gamma-Hexachlorocyclohexane (BHC) (Lindane)



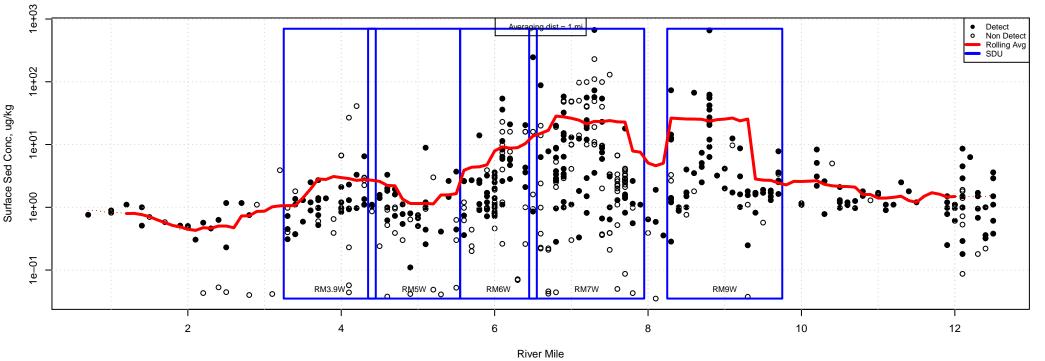




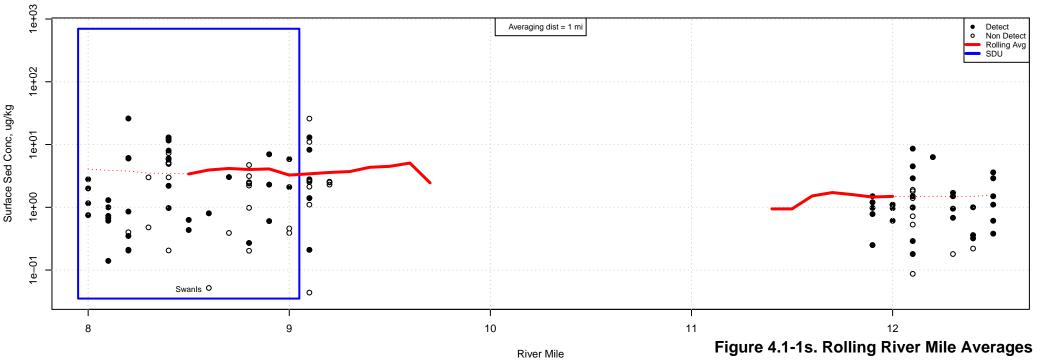
Nav Channel LWG RA Total Chlordane (Calculated U = 1/2)



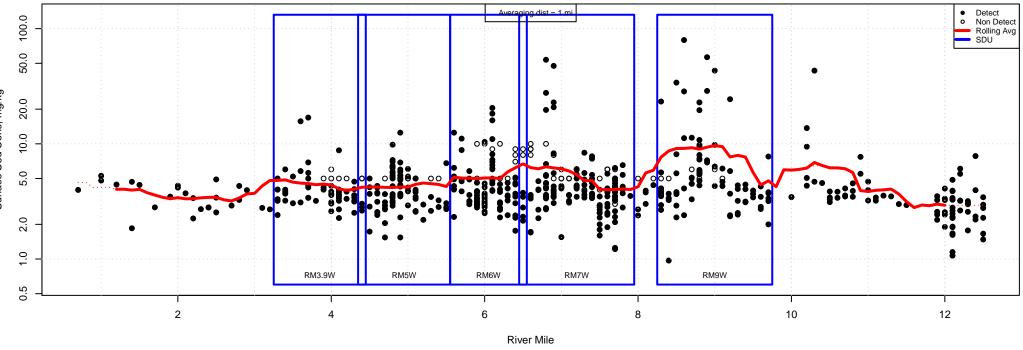
West Side LWG RA Total Chlordane (Calculated U = 1/2)

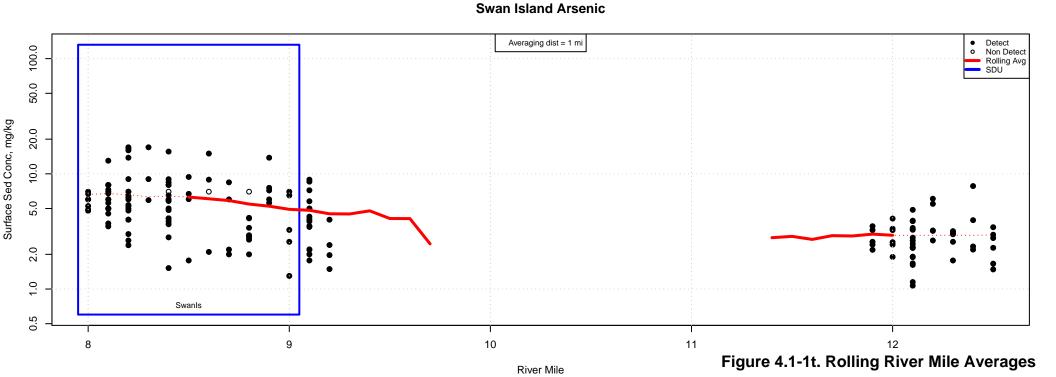


Swan Island LWG RA Total Chlordane (Calculated U = 1/2)

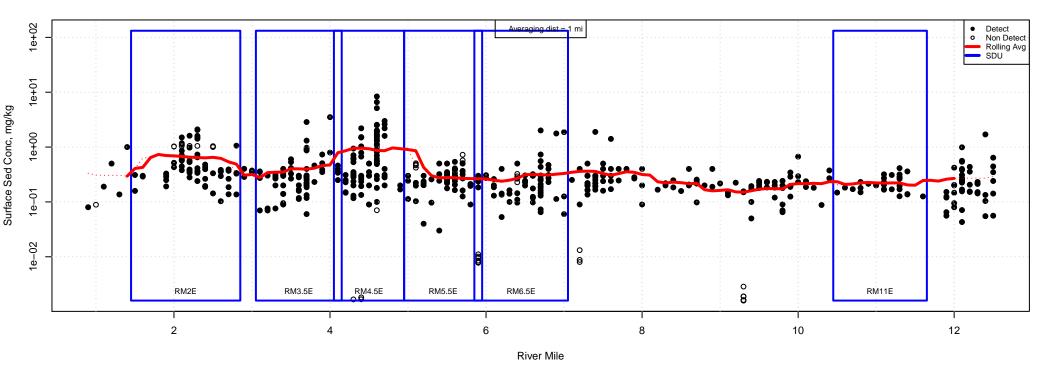


East Side Arsenic 100.0 50.0 Surface Sed Conc, mg/kg 20.0 10.0 5.0 2.0 1.0 RM5.5E RM11E 0.5 2 10 12 River Mile **Nav Channel Arsenic** Detect Non Detect Rolling Avg raging dist = 1 mi 50.0 100.0 Surface Sed Conc, mg/kg 10.0 20.0 5.0 2.0 1.0 RM6Nav 0.5 2 10 12 6 River Mile **West Side Arsenic** Detect Non Detect Rolling Avg SDU 100.0 50.0 Surface Sed Conc, mg/kg 20.0 10.0 5.0 2.0 1.0 RM3.9W RM6W RM7W RM9W

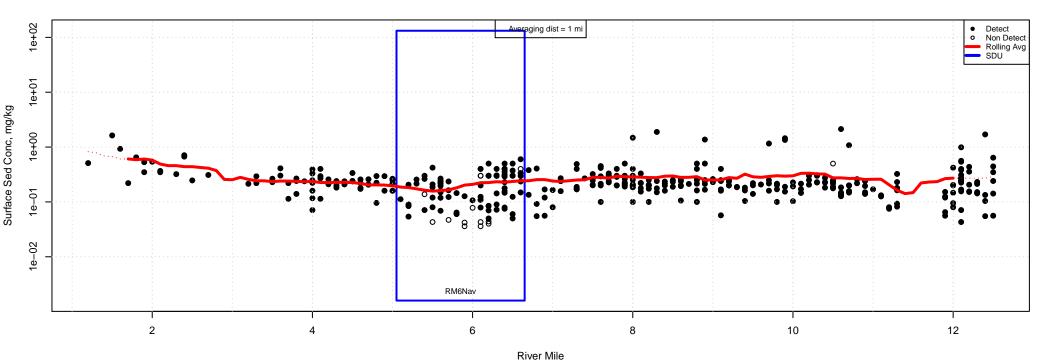




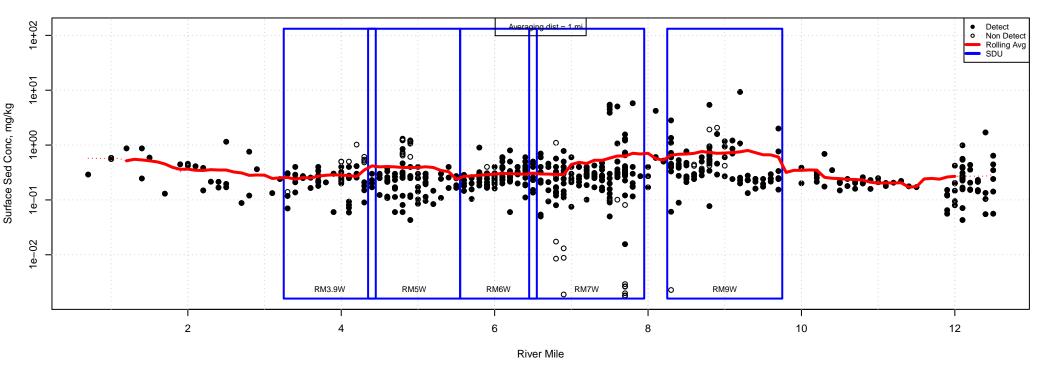




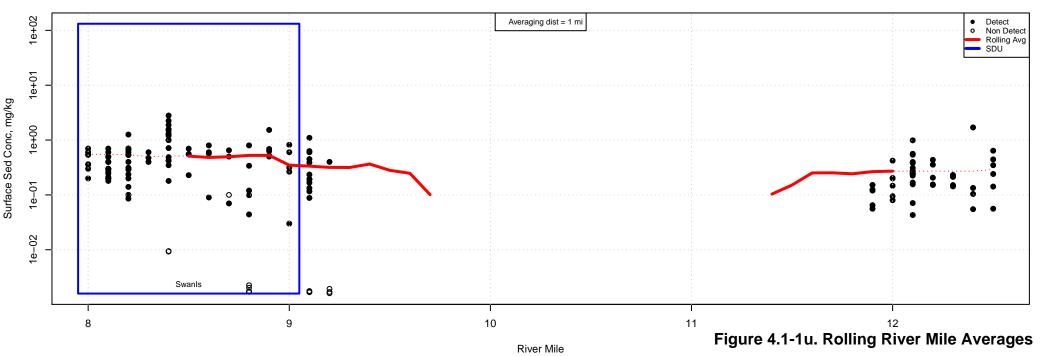
Nav Channel Cadmium



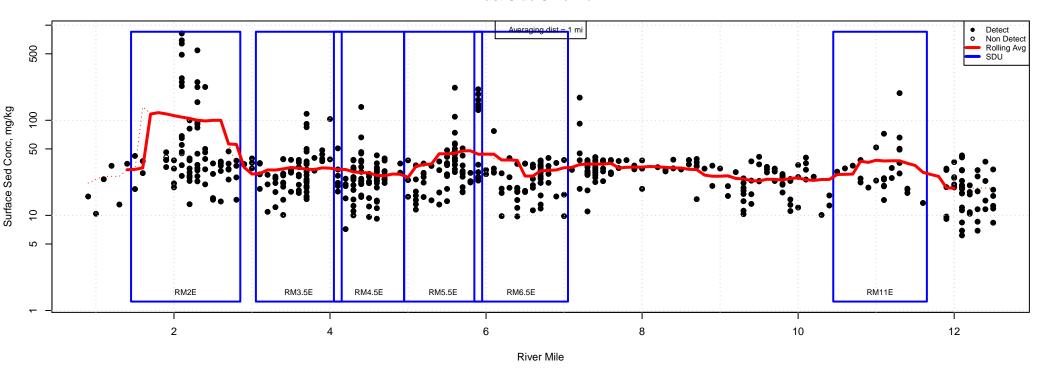
West Side Cadmium



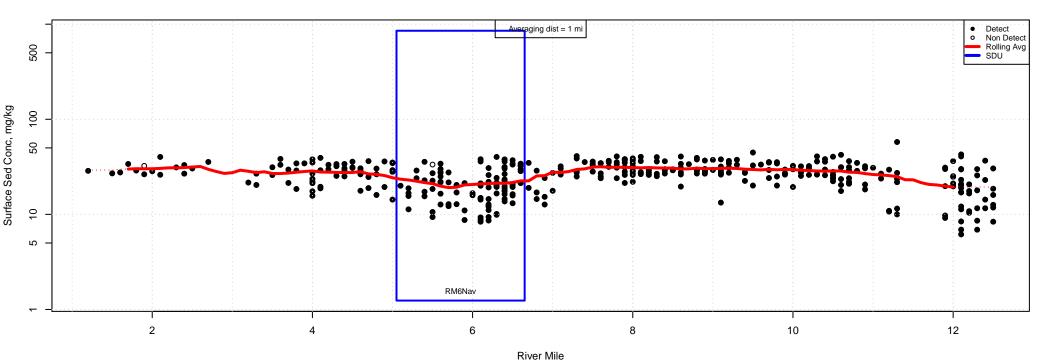
Swan Island Cadmium



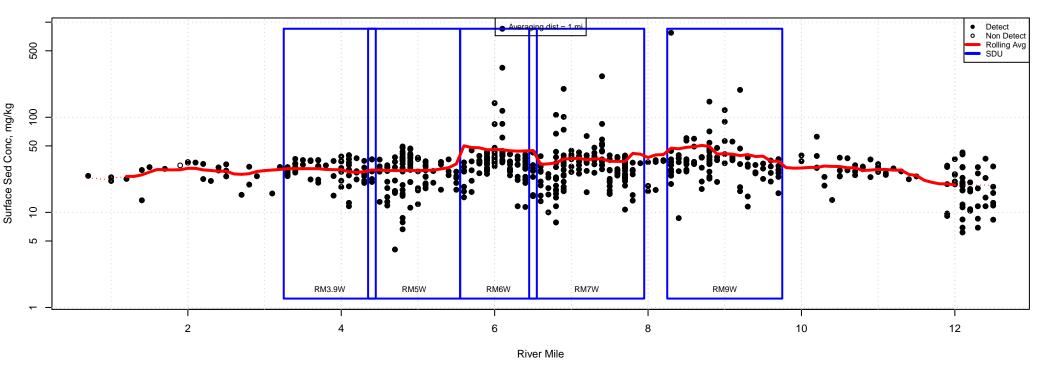
East Side Chromium



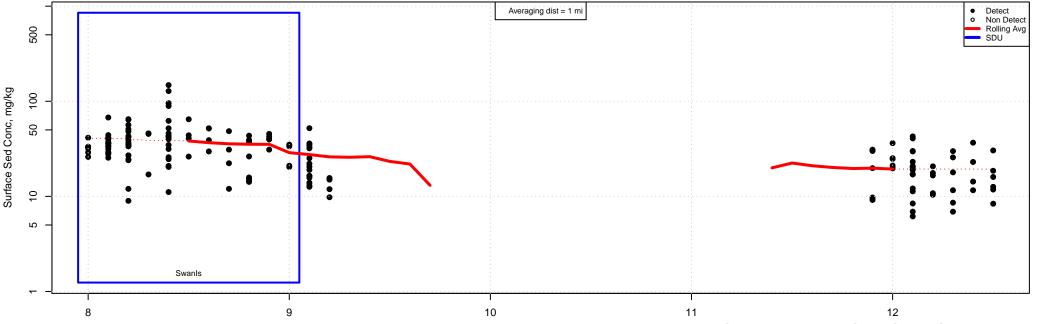
Nav Channel Chromium



West Side Chromium

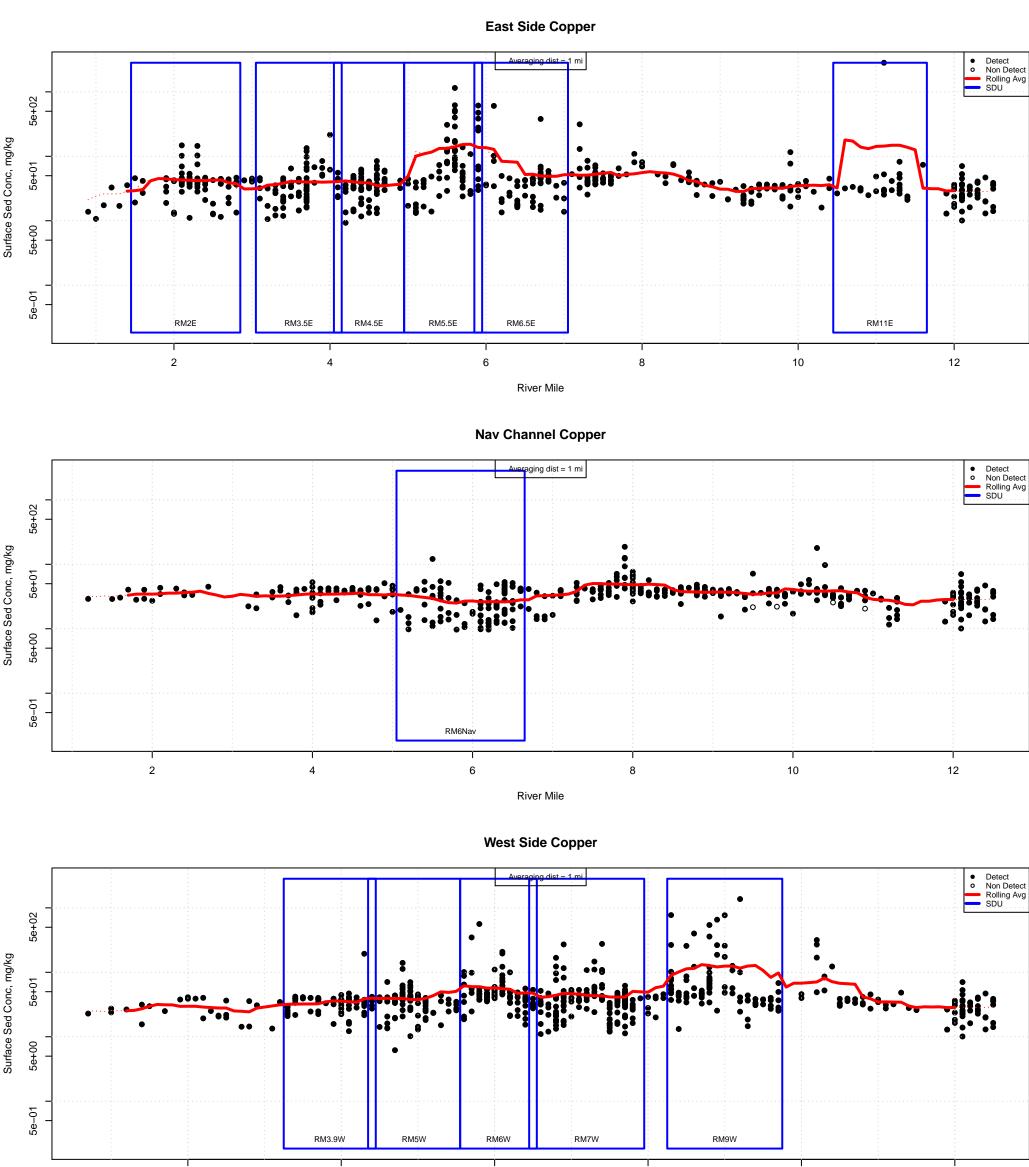


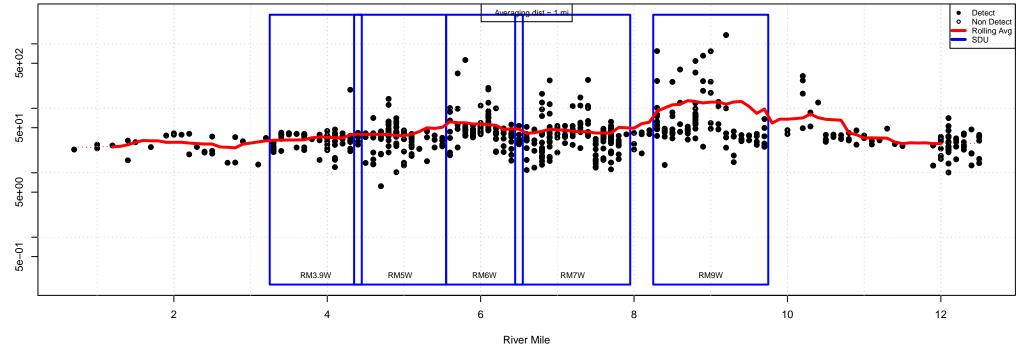
Swan Island Chromium

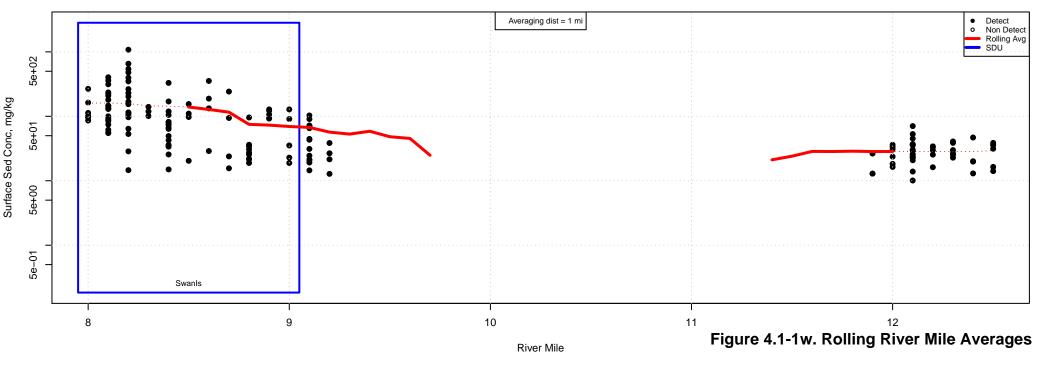


River Mile

Figure 4.1-1v. Rolling River Mile Averages

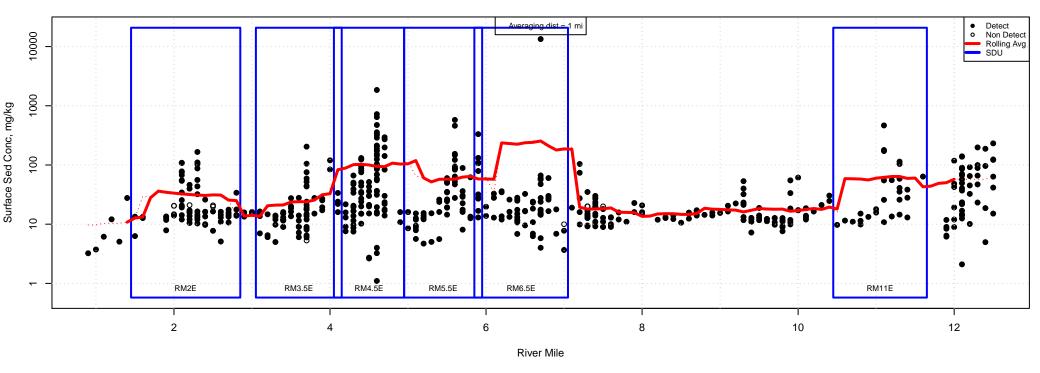




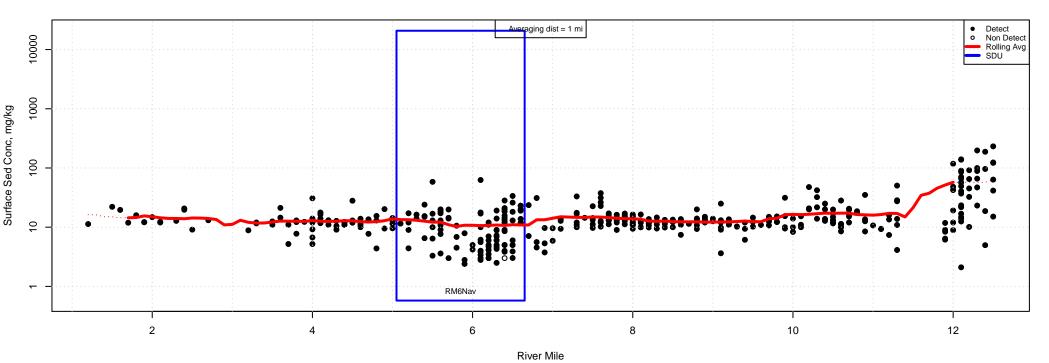


Swan Island Copper

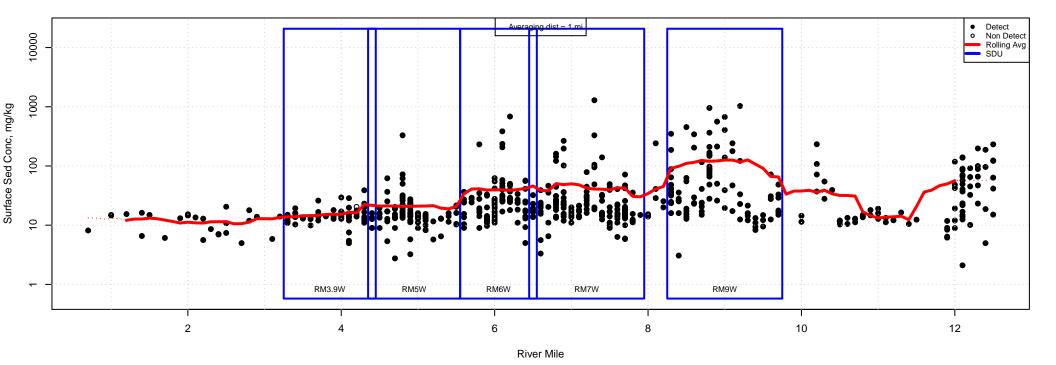




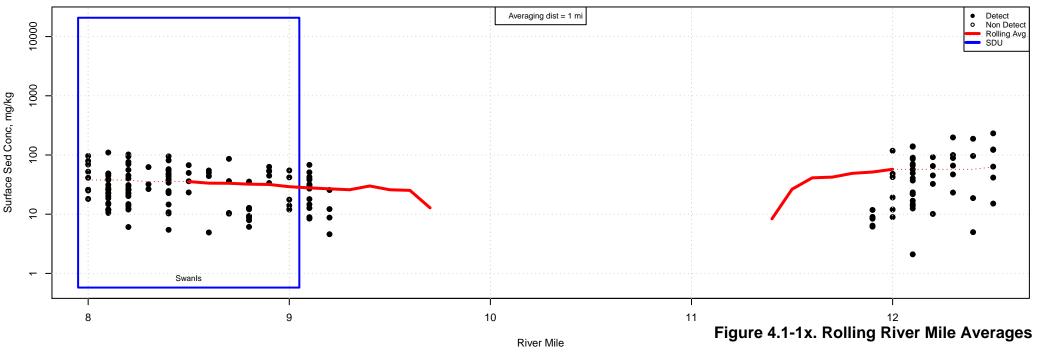
Nav Channel Lead

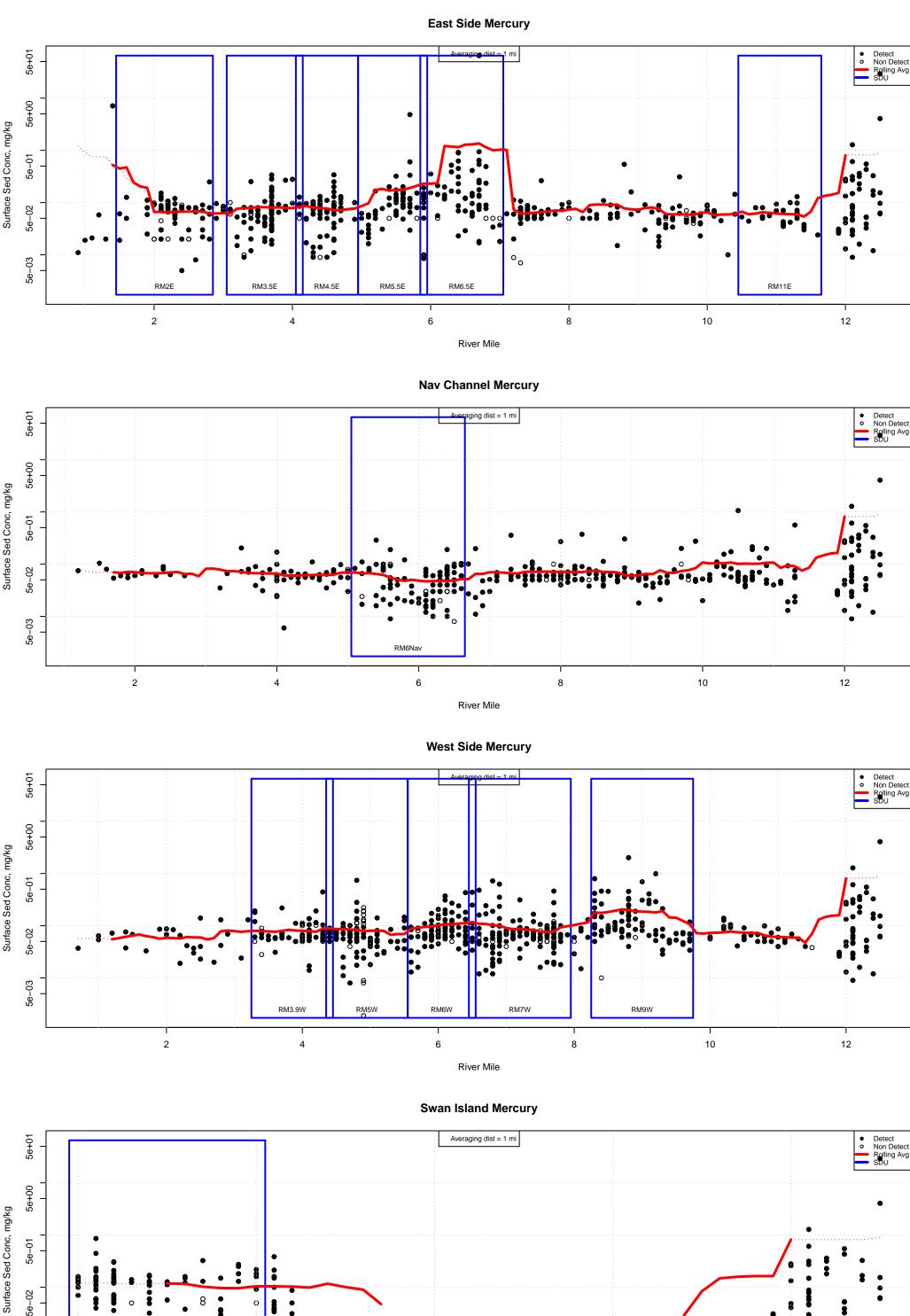


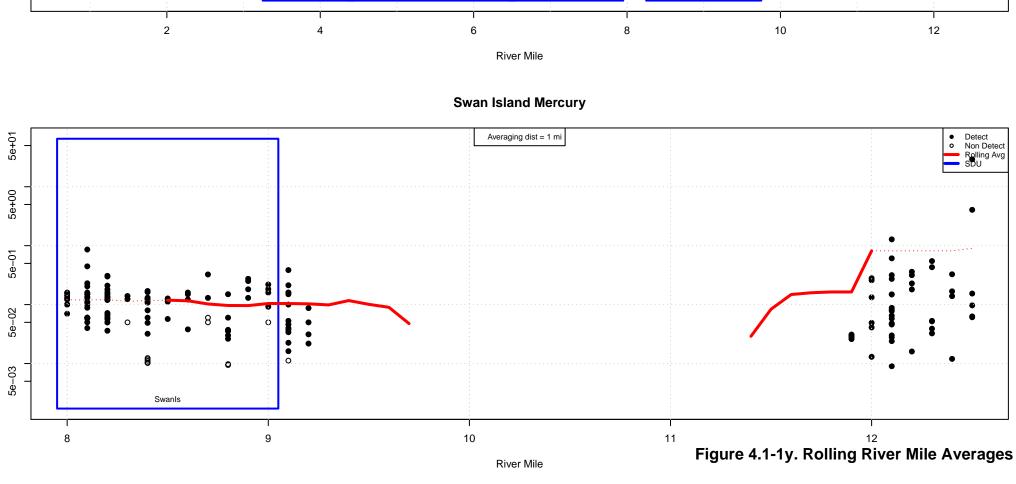
West Side Lead

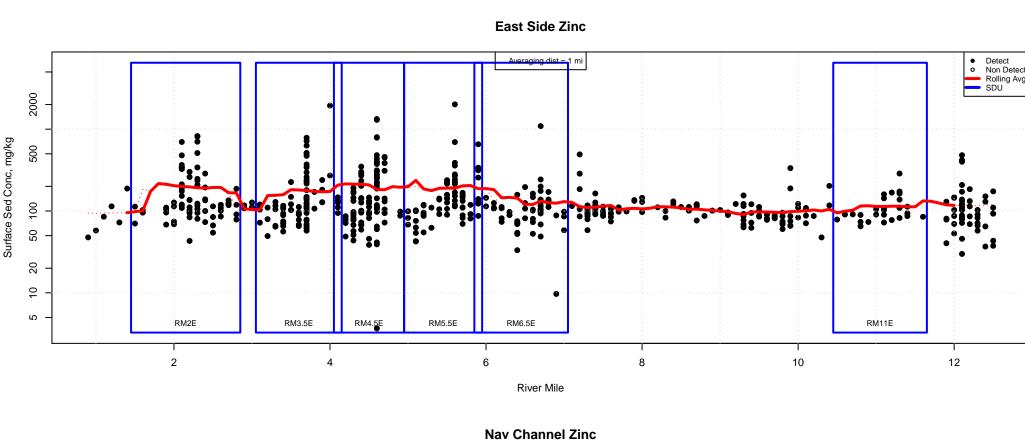


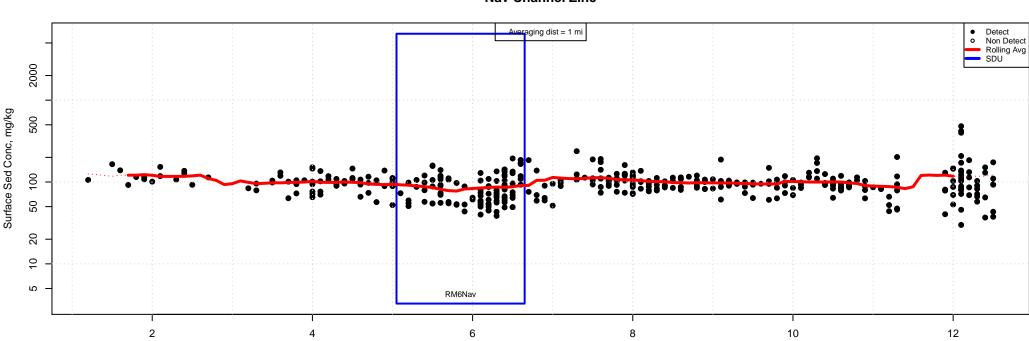
Swan Island Lead



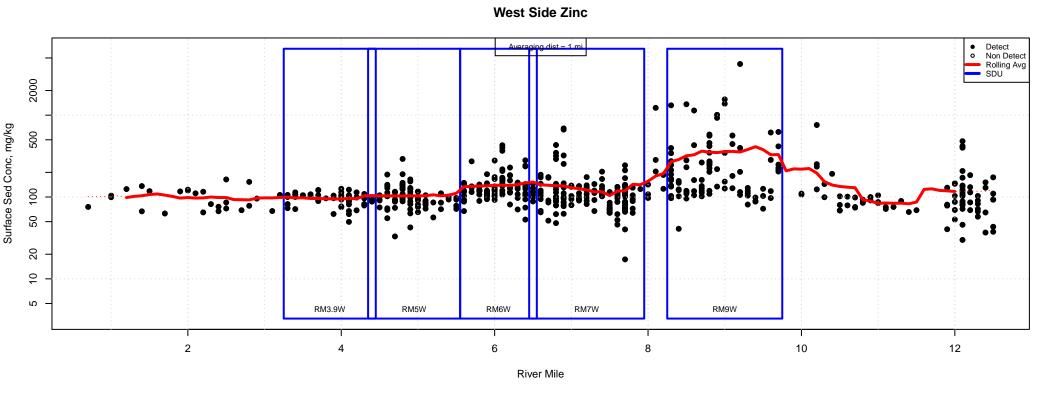


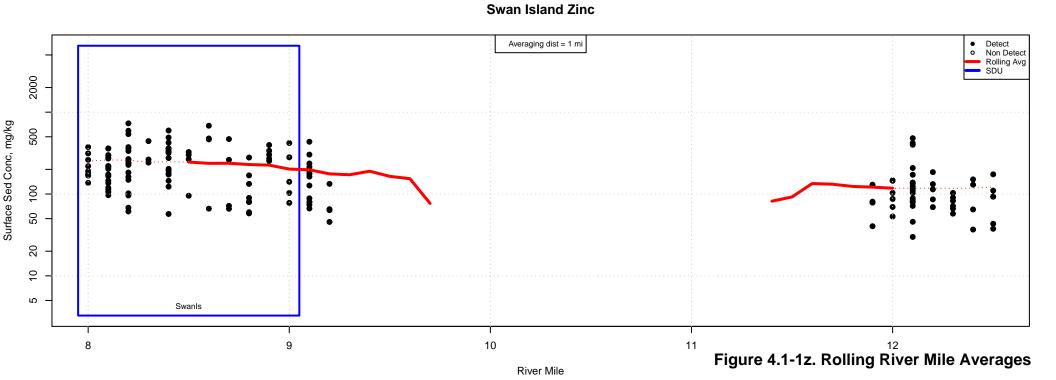




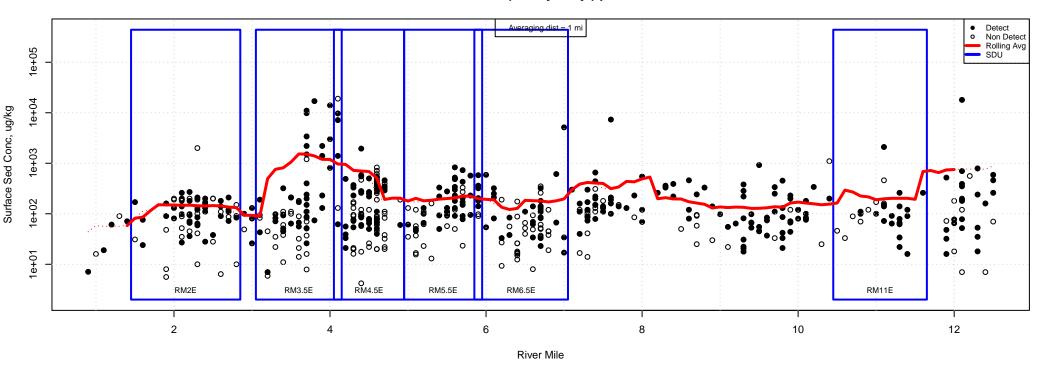


River Mile

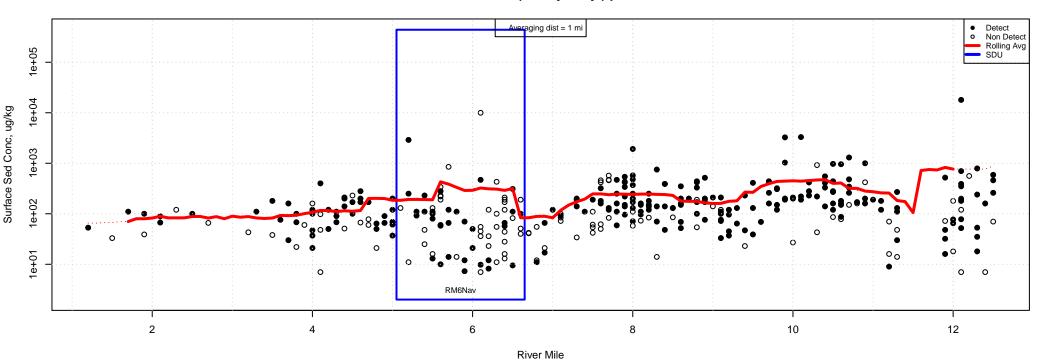




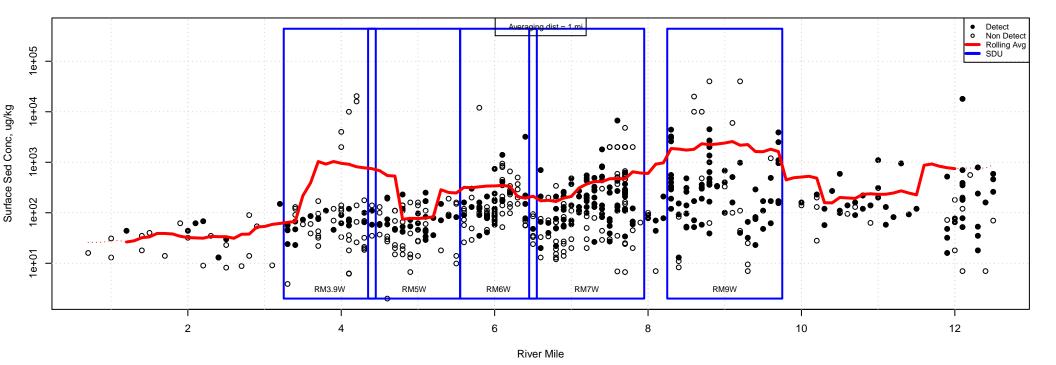
East Side Bis(2-ethylhexyl) phthalate



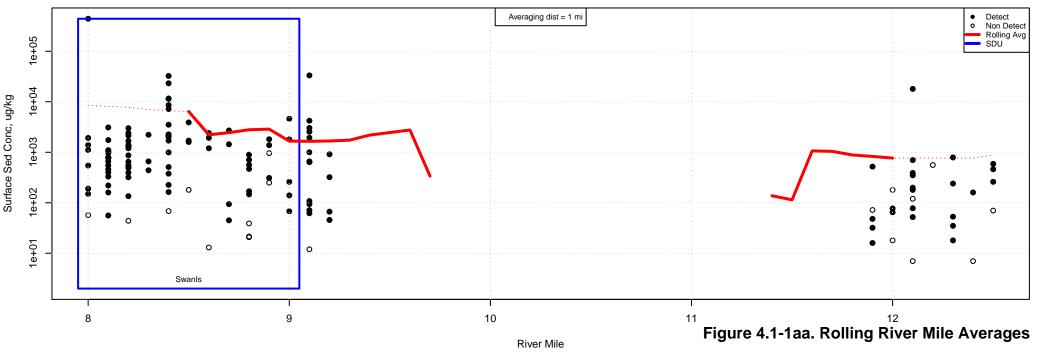
Nav Channel Bis(2-ethylhexyl) phthalate



West Side Bis(2-ethylhexyl) phthalate



Swan Island Bis(2-ethylhexyl) phthalate



East Side TributyItin Detect Non Detect Rolling Avg SDU 1e+03 Surface Sed Conc, ug/kg 1e+01 1e-01 800 1e-03 RM2E RM3.5E RM4.5E RM5.5E RM6.5E RM11E 2 6 8 10 12 River Mile **Nav Channel Tributyltin** Detect Non Detect Rolling Avg Averaging dist = 1 mi 1e+03 Surface Sed Conc, ug/kg 1e+01 1e-01 8 0 1e-03 RM6Nav 8 10 12 6 River Mile West Side Tributyltin Detect Non Detect Rolling Avg 1e+03 Surface Sed Conc, ug/kg 1e+01 1e-01 1e-03RM3.9W RM5W RM6W RM7W RM9W 6 10 12 River Mile **Swan Island TributyItin** Detect Non Detect Rolling Avg SDU Averaging dist = 1 mi 1e+03 Surface Sed Conc, ug/kg 1e+01 1e-01 1e-03

10

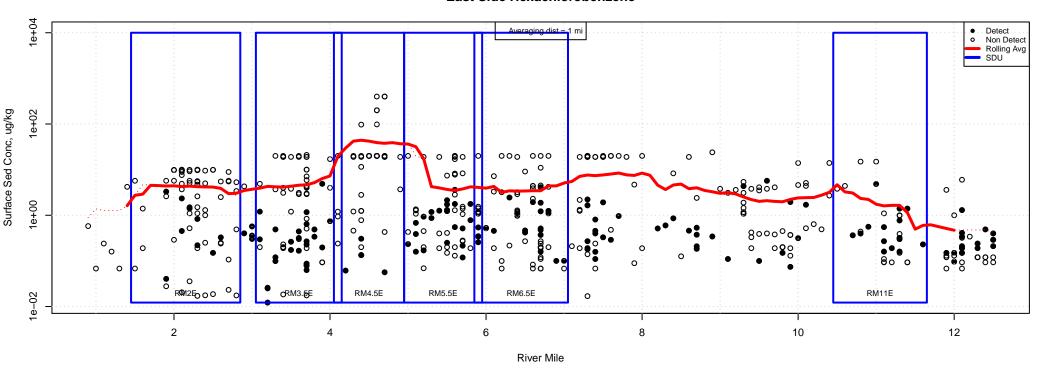
River Mile

12

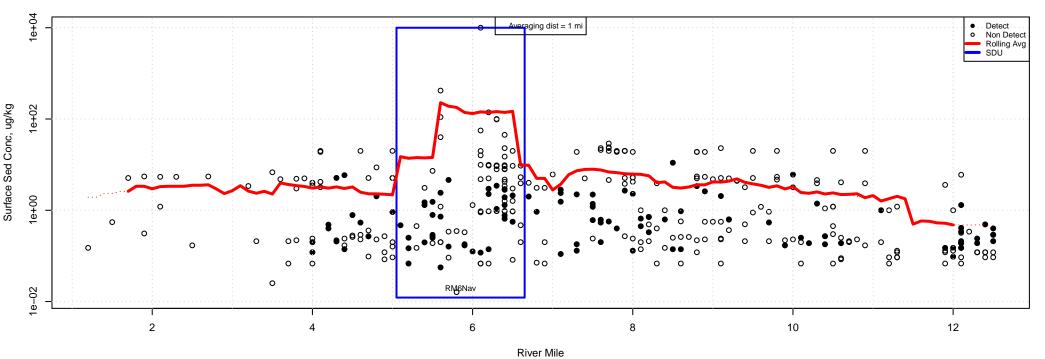
Figure 4.1-1ab. Rolling River Mile Averages

9

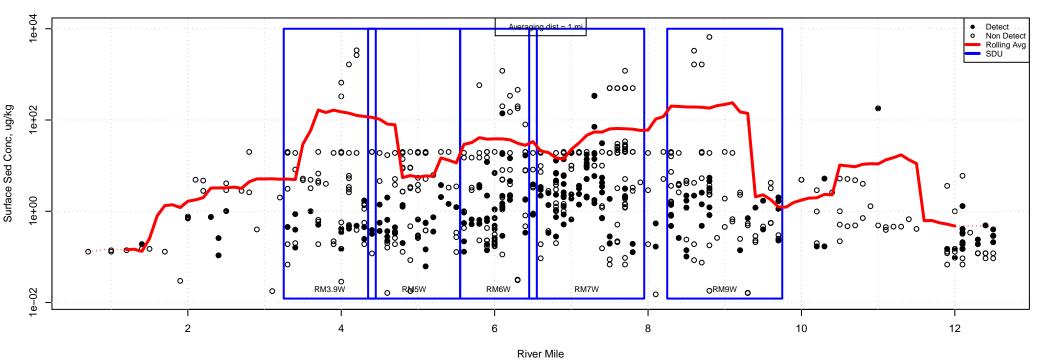
East Side Hexachlorobenzene



Nav Channel Hexachlorobenzene



West Side Hexachlorobenzene



Swan Island Hexachlorobenzene

